

Industrial Highlights



Innovative and universal

Connectors for power connection,
control signals and consumer electronics

HiPower connectors and leads can be used in extreme applications that have dirty, humid and vibration-prone environments. With these connectors terminations are realized quickly and easily in the field. In addition they fulfil the requirements for the mechanical engineering, measuring and control technologies with international certification. These connectors are widely used in industry, plant manufacturing, mechanical engineering, building automation as well as in medical technologies and communication systems.



HiMedia connectors for secure connection of communication and consumer systems. Compact dimensions, high density I/O and latching/locking characteristics make these products universally useable.



Conforming to international standards HiMedia connectors are used all over the world in hifi systems, measuring technology, entertainment electronics and loud-speaker systems, industrial automation, intrusion and fire alarm systems and in TV and multimedia presentation equipment.



FULL-SPECTRUM SOLUTIONS FROM THE SPECIALIST

Seeking dialogue, among ourselves and with users. Developing innovative ideas together. Making use of synergies. Establishing productive links. And this via state-of-the-art communication technologies to transmit voice, data and visual information. From modern antenna systems in automobiles, satellite reception and transmission systems to enterprise-wide network solutions. The Hirschmann Group, a subsidiary of

Rheinmetall Elektronik AG, employs some 2,700 people around the world who are all committed to achieving this vision.

AUTOMATION AND NETWORK SOLUTIONS DIVISION

With its connectors, fieldbus and fiber optic systems, Hirschmann offers automation solutions in bus, sensor and actuator technologies. A broad range of

connectors for laboratory applications, machine and plant construction as well as building technology are incorporated into the program as well. Industry-specific solutions for company-wide data networks from the workgroup to the backbone, from industrial to office networking, from LAN to WAN complete our range. In all commonly used standards - with a focus on ETHERNET, Fast ETHERNET and Gigabit ETHERNET.



Table of contents



Connectors for mains connection

	CA-series	6 – 9
	CR-series	10 – 11
	ST-series	12 – 19
	G-series	20 – 27
	N-series	28 – 32



Connectors for control signals

	NR-series	34 – 43
	CM-series	44 – 49
	R-series	50 – 53
	ME-series	54 – 59
	SP-series	60 – 65
	Contacts, crimping systems, accessories . . .	66 – 70



Connectors for consumer electronics

	MAS/MAK	72 – 91
	MIS/MIK	92 – 95
	TOS/TOK	96

Connectors for mains connection





Connectors for mains connection

CA-series

HiPower

Product description

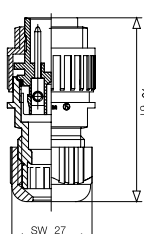
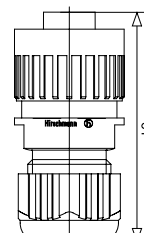
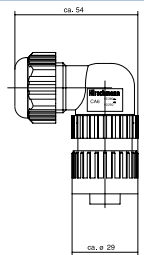
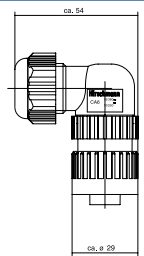
Robust, universal circular connector for machinery engineering in general, control engineering, electrical medical equipment as well as for the chemical industry.

- International approvals for worldwide use: VDE, UR, SEV, CSA

- Housings made of impact-resistant plastic with screw locking system for troublefree, permanent connections
- Easy handling for a quick assembly with integrated strain relief
- Useful in industry due to protection against dust and water

Basic data

Operating voltage: 250 V AC / DC, (400 V AC 3-pole)
 Operating current: 10 A AC / DC (at 20° C), 16 A AC 3-pole (at 20° C)
 Protection class: IP 67
 Pollution severity class: 3
 Strain relief by means of cable: 6 mm-12 mm
 Contact surface: Cu Zn

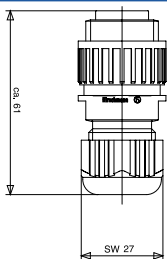
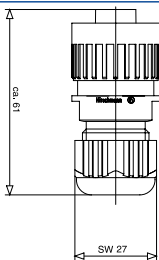
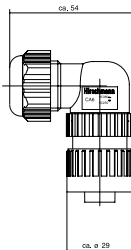
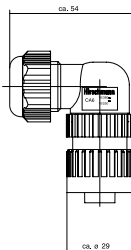
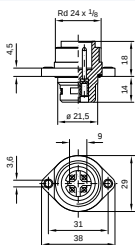
Type		Number of poles	Description	Order no.
 CA 3 LS		3 + PE	Cable connector Type of connection: screw Conductor cross-section: max. 1.5 mm ² Operating voltage: 250 V DC / 400 V AC Operating current: 10 A DC / 16 A AC	934 124-100
 CA 3 LD		3 + PE	Cable socket Type of connection: screw Conductor cross-section: max. 1.5 mm ² Operating voltage: 250 V DC / 400 V AC Operating current: 10 A DC / 16 A AC	934 125-100
 CA 3 W LS		3 + PE	Cable connector Type of connection: screw Conductor cross-section: max. 1.5 mm ² Operating voltage: 250 V DC / 400 V AC Operating current: 10 A DC / 16 A AC	934 128-100
 CA 3 W LD		3 + PE	Cable socket Type of connection: screw Conductor cross-section: max. 1.5 mm ² Operating voltage: 250 V DC / 400 V AC Operating current: 10 A DC / 16 A AC	934 129-100

Connectors for mains connection

CA-series

HiPower



Type		Number of poles	Description	Order no.
		6 + PE	Cable connector Type of connection: solder Conductor cross-section: max. 0.75 mm ² Operating voltage: 250 V AC/DC Operating current: 10 A AC/DC	934 126-100
		6 + PE	Cable socket Type of connection: solder Conductor cross-section: max. 0.75 mm ² Operating voltage: 250 V AC/DC Operating current: 10 A AC/DC	934 127-100
		6 + PE	Cable connector Type of connection: solder Conductor cross-section: max. 0.75 mm ² Operating voltage: 250 V AC/DC Operating current: 10 A AC/DC	934 130-100
		6 + PE	Cable socket Type of connection: solder Conductor cross-section: max. 0.75 mm ² Operating voltage: 250 V AC/DC Operating current: 10 A AC/DC	934 131-100
		3 + PE	Panel-mounted connector Type of connection: screw Conductor cross-section: max. 1.5 mm ² Operating voltage: 250 V DC / 400 V AC Operating current: 10 A DC / 16 A AC	932 322-100

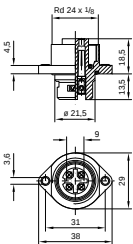
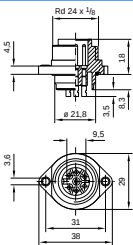
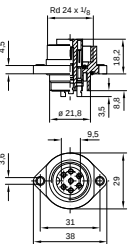
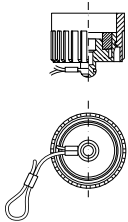
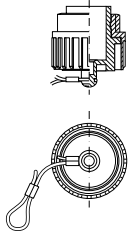


Connectors for mains connection

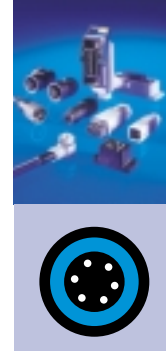


CA-series

HiPower

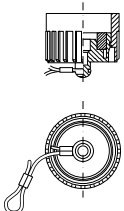
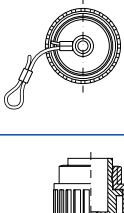
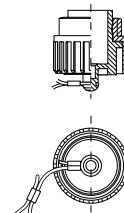
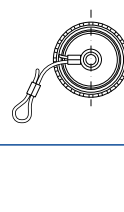
Type		Number of poles	Description	Order no.
 CA 3 GD		3 + PE	Panel-mounted socket Type of connection: screw Conductor cross-section: max. 1.5 mm ² Operating voltage: 250 V DC / 400 V AC Operating current: 10 A DC / 16 A AC	932 321-100
 CA 6 GS		6 + PE	Panel-mounted connector Type of connection: solder Conductor cross-section: max. 0.75 mm ² Operating voltage: 250 V AC/DC Operating current: 10 A AC/DC	932 326-100
 CA 6 GD		6 + PE	Panel-mounted socket Type of connection: solder Conductor cross-section: max. 0.75 mm ² Operating voltage: 250 V AC/DC Operating current: 10 A AC/DC	932 325-100
 CA 00 SD 1		—	Protection cap for all cable connectors with variable thread	831 530-400
 CA 00 SD 3		—	Protection cap for all cable sockets with variable thread	831 532-400

Connectors for mains connection



CA-series

HiPower

Type		Number of poles	Description	Order no.
 CA 00 SD 2		–	Protection cap for all panel-mounted connectors, with tight thread	831 529-100
				
 CA 00 SD 4		–	Protection cap for all panel-mounted sockets, with tight thread	831 531-100
				

Notes



Connectors for mains connection

CR-series

HiPower

Product description

Robust, universal circular connector for machinery engineering in general, control engineering, electrical medical equipment and the use in sun blinds, roller shutters, awnings.

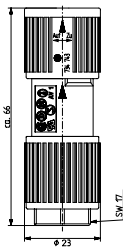
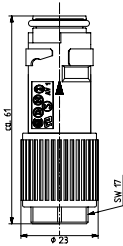
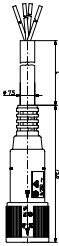
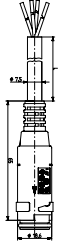
- International approvals for world-wide use: VDE, UR
- Easy handling for a quick assembly, contact-making with insulation

piercing connectors, eliminating the need for wire stripping, integrated strain relief

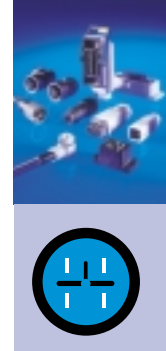
- Casing of impact-proof plastic with bayonet locking for troublefree permanent connections (enclosed with connector)
- Useful in industry and applicable outdoors due to protection against dust and water

Basic data

Operating voltage: 250 AC / DC
 Operating current: 8 A
 Number of poles: 3 + PE
 Protection class: IP 65
 Temperature range: -40°C ... + 90°C
 Strain relief by means of a cable:
 6,8mm - 8,8mm
 Cable cross-section:
 0.5 mm² ... 0.75 mm², strand

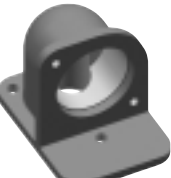
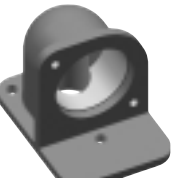
Type		Number of poles	Description	Order no.
 CR M 3A		3 + PE	Cable connector Type of connection: quickfit Bayonet locking	933 759-100
 CR F 3A		3 + PE	Cable socket Type of connection: quickfit	933 760-100
 CR M 3M		3 + PE	Moulded-on cable connector, cable HO5 RR F4G075, 1m Bayonet locking	933 761-001
 CR M 3F		3 + PE	Moulded-on cable socket, cable HO5 RR F4G075, 1m	933 762-001

Connectors for mains connection



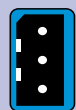
CR-series

HiPower

Type	Number of poles	Description	Order no.
 CR Panel-mounted connector	3 + PE	Panel-mounted connector with flange Type of connection: quickfit Bayonet locking via cable socket	In preparation
 CR Panel-mounted socket	3 + PE	Panel-mounted socket with flange Type of connection: quickfit	In preparation
 CR Surface-mounted connector	3 + PE	Surface-mounted connector Type of connection: quickfit Bayonet locking via cable socket	In preparation
 CR Surface-mounted socket	3 + PE	Surface-mounted socket Type of connection: quickfit	In preparation



Connectors for mains connection



ST-series

HiPower

Product description

Compact connectors for mains and control lead connections.

- Robust design, by a safety bracket, vibration-proof plug connection, can be assembled as required and moulded-on versions 2-, 3-, 4-, 5-pole + PE
- Panel-mounted as well as surface-mounted versions of connector and socket

- Protection against dust and splashes
- International approvals for world-wide use: VDE, SEV, NEMKO, SEMKO, UL
- Colour of product: grey

Basic data

Operating voltage: 250 V AC / DC, (400 V AC 3-pole)

Operating current: 10 A AC / DC (16 A AC 3-pole)

Protection class: IP 54

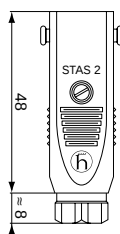
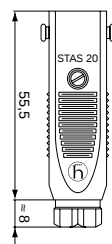
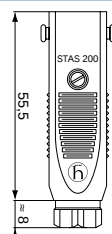
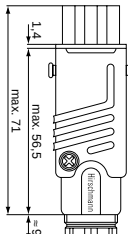
Pollution severity class: 3

Lead cross-section: 6mm - 12mm

Contact surface: Sn/5-pole Ag

Type of connection: screw / crimp

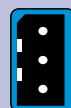
Connection cross-section: max 1.5mm²

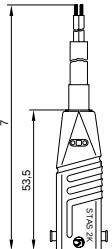
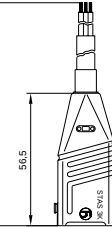
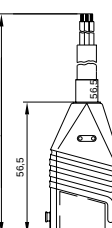
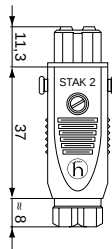
Type		Number of poles	Description	Order no.
 STAS 2		2 + PE	Cable connector without strain relief Operating current: 16 A AC / 10 A DC Product without approvals	930 620-106
 STAS 20		2 + PE	Cable connector with strain relief Operating current: 16 A AC / 10 A DC Product without approvals	931 265-106
 STAS 200		2 + PE	Cable connector with strain relief and coding fin Operating current: 16 A AC / 10 A DC	932 038-106
 STAS 3 N		3 + PE	Cable connector with strain relief Operating current: 16 A AC / 10 A DC	932 143-100 black 932 143-106 grey

Connectors for mains connection

ST-series

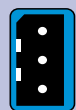
HiPower



Type		Number of poles	Description	Order no.
 STAS 5		5 + PE	Cable connector with strain relief, not assembled with additional contacts Operating current: 6 A AC / 10 A DC	931 692-106
 STAS 2 K 075 SI		2 + PE	Moulded-on cable connector, harmonized lead (DIN VDE 0282), safety bracket Cable length on request Operating current: 10 A AC / DC Product without approvals	972 246-...
 STAS 3 K 075 SI		3 + PE	Moulded-on cable connector with harmonized lead (DIN VDE 0282) and safety bracket Cable length on request Operating current: 10 A AC / DC	931 300-...
 STAS 4 K 075 SI		4 + PE	Moulded-on cable connector with harmonized lead (DIN VDE 0282) and safety bracket Cable length on request Operating current: 10 A AC / DC	932 578-...
 STAK 2		2 + PE	Cable socket without strain relief Operating current: 16 A AC / 10 A DC Product without approvals	930 621-106

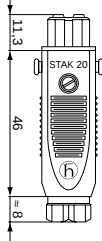
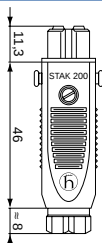
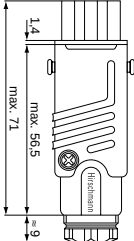
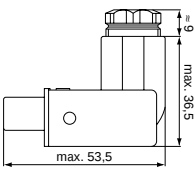
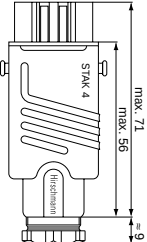


Connectors for mains connection



ST-series

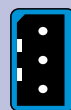
HiPower

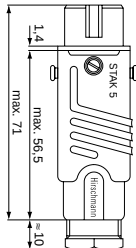
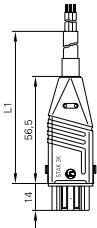
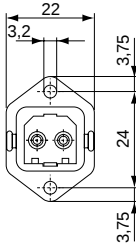
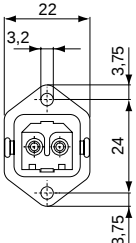
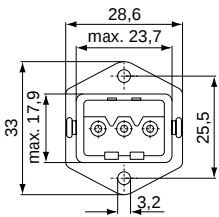
Type		Number of poles	Description	Order no.
		2 + PE	Cable socket with strain relief Operating current: 16 A AC / 10 A DC Product without approvals	931 264-106
		2 + PE	Cable socket with strain relief and coding slot Operating current: 16 A AC / 10 A DC	932 037-106
		3 + PE	Cable socket with strain relief Operating current: 16 A AC / 10 A DC	932 140-100 black 932 140-106 grey
		3 + PE	Cable socket, angled design Operating current: 16 A AC / 10 A DC	932 413-106
		4 + PE	Cable socket with strain relief Operating current: 10 A AC / DC	932 533-106

Connectors for mains connection

ST-series

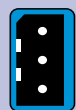
HiPower



Type		Number of poles	Description	Order no.
		5 + PE	Cable socket with strain relief, not assembled with additional contacts and gasket Operating current: 6 A AC / 10 A DC	931 691-106
		3 + PE	Moulded-on cable connector with harmonized lead (DIN VDE 0282) Cable length on request Operating current: 10 A AC / DC	932 187-...
		2 + PE	Panel-mounted connector, added gasket Operating current: 16 A AC / 10 A DC Product without approvals	930 622-106
		2 + PE	Panel-mounted connector with coding fin, added gasket Operating current: 16 A AC / 10 A DC	932 048-106
		3 + PE	Panel-mounted connector, added gasket Operating current: 16 A AC / 10 A DC	932 145-106

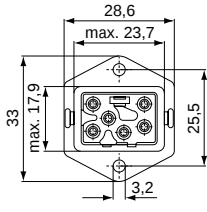
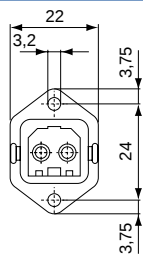
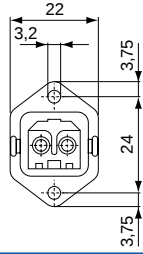
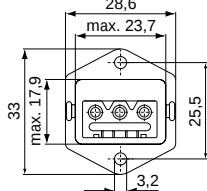
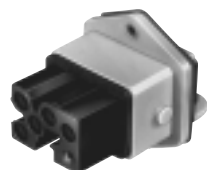
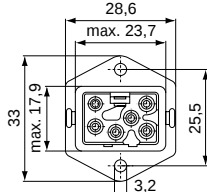


Connectors for mains connection



ST-series

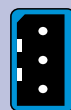
HiPower

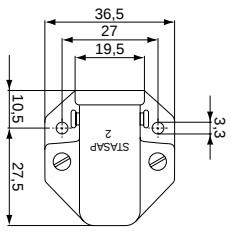
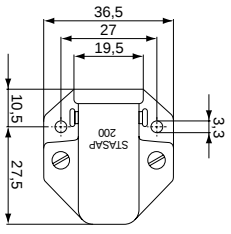
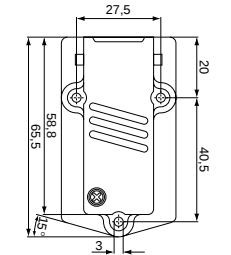
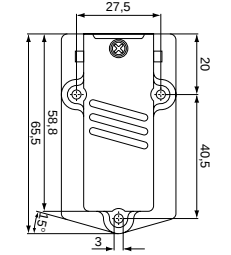
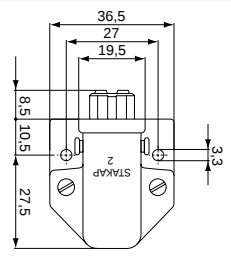
Type		Number of poles	Description	Order no.
		5 + PE	Panel-mounted connector, not assembled with added contacts, added gasket Operating current: 6 A AC / 10 A DC	931 697-106
		2 + PE	Panel-mounted socket, added gasket Operating current: 16 A AC / 10 A DC Product without approvals	930 647-106
		2 + PE	Panel-mounted socket with coding slot, added gasket Operating current: 16 A AC / 10 A DC	932 047-106
		3 + PE	Panel-mounted socket, added gasket Operating current: 16 A AC / 10 A DC	932 142-106
		5 + PE	Panel-mounted socket, not assembled with added contacts, added gasket Operating current: 6 A AC / 10 A DC	931 694-106

Connectors for mains connection

ST-series

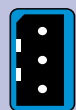
HiPower



Type		Number of poles	Description	Order no.
 STASAP 2 B		2 + PE	Surface-mounted connector with cast baseplate, additional sealing for IP 54 necessary Operating current: 16 A AC / 10 A DC Product without approvals	930 822-106
 STASAP 200		2 + PE	Surface-mounted connector with cast baseplate and coding fin, additional sealing for IP 54 necessary Operating current: 16 A AC / 10 A DC	932 046-106
 STASAP 3 N		3 + PE	Surface-mounted connector Operating current: 16 A AC / 10 A DC	932 514-106
 STASAP 5		5 + PE	Surface-mounted connector, not assembled with added contacts Operating current: 6 A AC / 10 A DC	932 512-106
 STAKAP 2		2 + PE	Surface-mounted socket with cast baseplate, additional sealing for IP 54 necessary Operating current: 16 A AC / 10 A DC Product without approvals	930 329-106

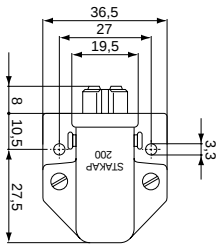
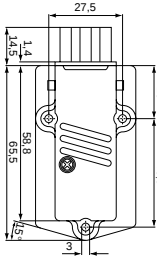
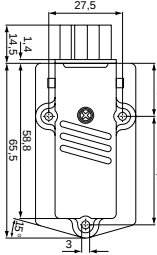
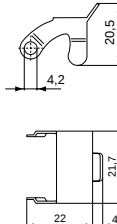
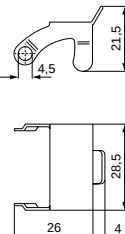


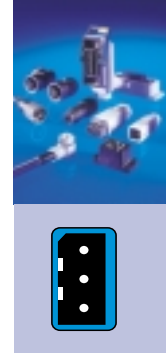
Connectors for mains connection



ST-series

HiPower

Type		Number of poles	Description	Order no.
 STAKAP 200		2 + PE	Surface-mounted socket with cast baseplate and coding slot, additional sealing for IP 54 necessary Operating current: 16 A AC / 10 A DC	932 045-106
 STAKAP 3 N		3 + PE	Surface-mounted socket Operating current: 16 A AC / 10 A DC	932 513-106
 STAKAP 5		5 + PE	Surface-mounted socket, not assembled with added contacts Operating current: 6 A AC / 10 A DC	932 511-106
 STASI 2		—	Safety brackets for 2 + PE - versions	732 044-000
 STASI 3		—	Safety bracket for 3 + PE and 5 + PE - versions	732 045-001



Connectors for mains connection



G-series

HiPower

Product description

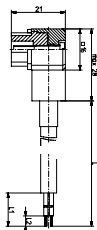
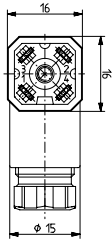
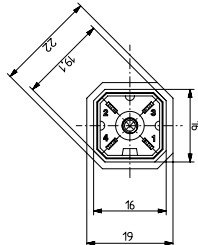
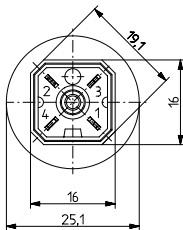
- Compact and robust series of angled connectors protected against dust and water jets (IEC 60529-IP 65) with VDE expertise 
- Cable sockets, can be assembled as required and with injection-moulded leads in different lengths
- Surface-mounted connectors with solder- and crimp contacts, also suitable for mounting to light bar-

riers by ultrasonic welding

Product characteristics

- Big variety of versions
- Two different series (G/GO) coded to prevent confusion
- Number of poles 2-7, with/without PE
- Operating voltage up to 250 V AC / DC

- Exceptionally small dimensions, therefore particularly suitable for electrical connections in hydraulic and pneumatic control systems even in very confined spaces
- For actuators, sensors, signalling systems, miniature drives, electro-medical equipment, suitable for use under extreme conditions, heavy machine construction

Type		Number of poles	Description	Colour	Order no.
		2	Cable socket with moulded-on lead Cable length: 1,5 m Operating voltage: 50 V AC / DC	black	931 494-603
		4	Cable socket with PG 7 cable gland, with solder contacts Operating voltage: 50 V AC / DC	black grey	932 157-100 932 157-106
		4	Surface-mounted connectors for printed circuit boards, with solder contacts Operating voltage: 50 V AC / DC	grey	931 807-106
		4	Press-fit surface-mounted connector, with solder contacts Operating voltage: 50 V AC / DC	black	932 823-100

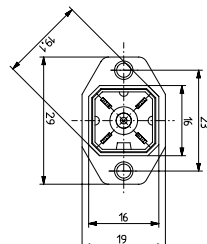
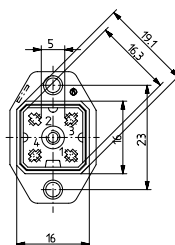
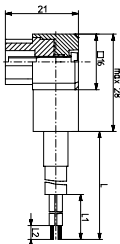
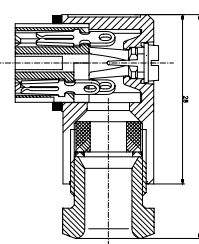
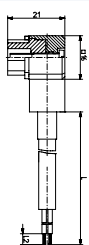
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

Connectors for mains connection

G-series

HiPower



Type		Number of poles	Description	Colour	Order no.
		4	Surface-mounted connector with flange, with solder contacts Operating voltage: 50 V AC / DC	black grey	932 092-100 932 092-106
		4	Panel-mounted connector for crimp contacts Operating voltage: 50 V AC / DC	black grey	731 802-500 731 802-506
		4	Cable socket with moulded-on lead Cable length: 2 m Operating voltage: 50 V AC / DC	grey	931 805-602
		2 + PE	Cable socket with PG 7 cable gland, with solder contacts Operating voltage: 250 V AC / DC	black grey	932 185-100 932 185-106
		2 + PE	Cable socket with moulded-on lead Cable length: 2 m Operating voltage: 250 V AC / DC	grey	932 041-601

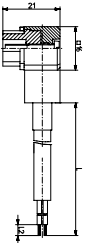
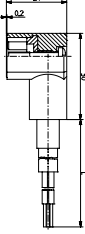
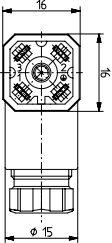
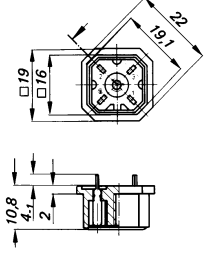
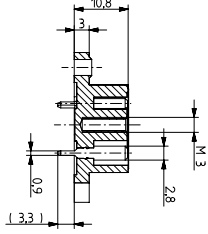
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories



Connectors for mains connection

G-series

HiPower

Type		Number of poles	Description	Colour	Order no.
 G 20 KW 3 F		2 + PE	Cable socket with moulded-on lead Cable length: 3 m Operating voltage: 250 V AC / DC	grey	932 041-002
 G 20 KW 3 M		2 + PE	Cable connector with moulded-on lead Cable length: 1,5 m Operating voltage: 250 V AC / DC	grey	931 793-001
 G 30 W 3 F		3 + PE	Cable socket with PG 7 cable gland, with solder contacts Operating voltage: 250 V AC / DC	black grey	932 186-100 932 186-106
 G 30 A 3 M		3 + PE	Surface-mounted connector for printed circuit boards, with solder contacts Operating voltage: 250 V AC / DC	grey	931 700-106
 G 30 A 5 M		3 + PE	Surface-mounted connector with flange, with solder contacts Operating voltage: 250 V AC / DC	black	932 840-100

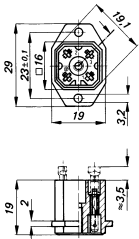
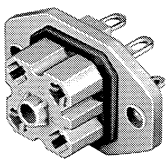
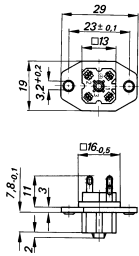
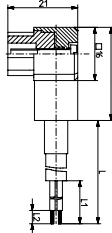
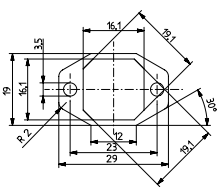
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

Connectors for mains connection

G-series

HiPower



Type		Number of poles	Description	Colour	Order no.
		3 + PE	Panel-mounted connector for crimp contacts Operating voltage: 250 V AC / DC	grey	731 996-506
		3 + PE	Panel-mounted socket with flange, with solder contacts Operating voltage: 250 V AC / DC	grey	931 782-106
		3 + PE	Cable socket with moulded-on lead Cable length: 2 m Operating voltage: 250 V AC / DC	grey	931 608-003
		3 + PE	Cable connector with moulded-on lead Cable length: 2 m Operating voltage: 250 V AC / DC	grey	931 783-001
		—	Flat gasket NBR, 2 mm thick		732 135-002

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories



HIRSCHMANN

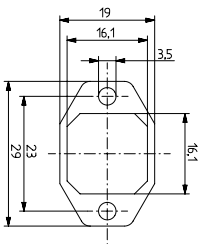
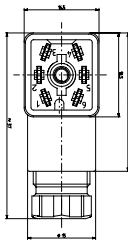
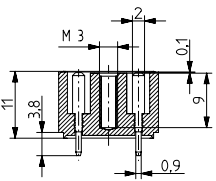
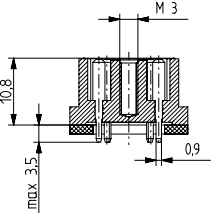
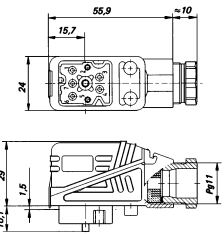


Connectors for mains connection



G-series

HiPower

Type		Number of poles	Description	Colour	Order no.
 G 30 E - 2		—	Flat gasket NBR, 0,8 mm thick		733 415-002
 GO 6 WF		6	Cable socket with PG 7 cable gland, with solder contacts Operating voltage: 50 V AC / DC	black	932 447-100
 GO 6 UM		6	Surface-mounted connector for printed circuit boards, with solder contacts Operating voltage: 50 V AC / DC	black	932 350-100
 GO 6 FAV M		6	Surface-mounted connector with flange, with solder contacts Operating voltage: 50 V AC / DC	black	932 669-100
 GO 070 WF		7	Cable socket with PG 11 cable gland, with solder contacts Operating voltage: 50 V AC / DC	black	932 483-100

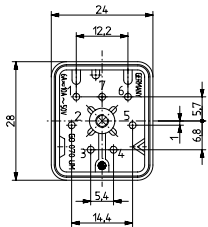
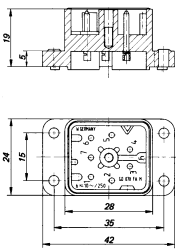
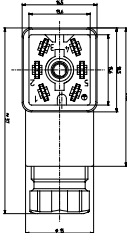
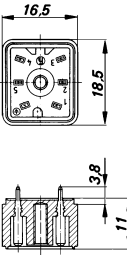
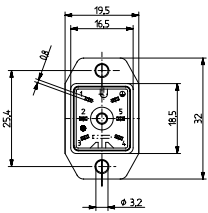
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

Connectors for mains connection

G-series

HiPower



Type		Number of poles	Description	Colour	Order no.
		7	Surface-mounted connector for printed circuit boards, with solder contacts Operating voltage: 50 V AC / DC	black	932 466-100
		7	Surface-mounted connector with flange, with solder contacts Operating voltage: 50 V AC / DC	black	932 470-100
		5 + PE	Cable socket with PG 7 cable gland, with solder contacts Operating voltage: 250 V AC / DC	black	932 351-200
		5 + PE	Surface-mounted connector for printed circuit boards, with solder contacts Operating voltage: 250 V AC / DC	black	932 352-100
		5 + PE	Surface-mounted connector with flange, with solder contacts Operating voltage: 250 V AC / DC	black	932 919-100

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories



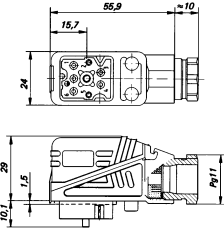
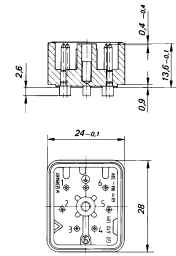
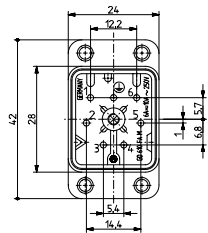
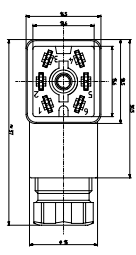
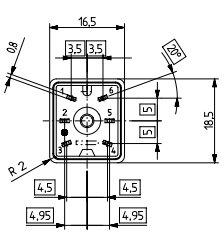
HIRSCHMANN



Connectors for mains connection

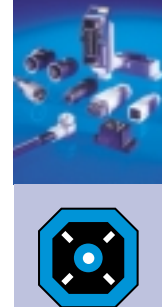
G-series

HiPower

Type		Number of poles	Description	Colour	Order no.
 GO 610 WF		6 + PE	Cable socket with PG 11 cable gland, with solder contacts Operating voltage: 250 V AC / DC	black	932 484-100
 GO 610 UM		6 + PE	Surface-mounted connector with solder contacts Operating voltage: 250 V AC / DC	black	932 464-100
 GO 610 FA M		6 + PE	Surface-mounted connector with flange, with solder contacts Operating voltage: 250 V AC / DC	black	932 478-100
 GO 60 WF		6	Cable socket with PG 7 cable gland, with solder contacts Operating voltage: 250 V AC / DC	black	932 448-100
 GO 60 UM		6	Surface-mounted connector for printed circuit boards, with solder contacts Operating voltage: 250 V AC / DC	black	932 344-100

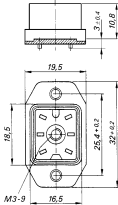
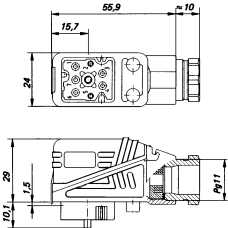
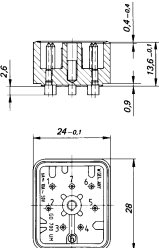
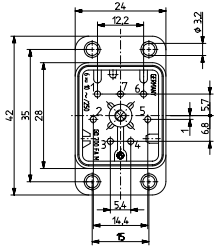
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

Connectors for mains connection



G-series

HiPower

Type		Number of poles	Description	Colour	Order no.
 GO 60 FAV M		6	Surface-mounted connector with flange, with solder contacts Operating voltage: 250 V AC / DC	black	932 918-100
 GO 700 WF		7	Cable socket with PG 11 cable gland, with solder contacts Operating voltage: 250 V AC / DC	black	932 485-100
 GO 700 UM		7	Surface-mounted connector with solder contacts Operating voltage: 250 V AC / DC	black	932 465-100
 GO 700 FA M		7	Surface-mounted connector with flange, with solder contacts Operating voltage: 250 V AC / DC	black	932 477-100

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories



Connectors for mains connection



N-series

HiPower

Product description

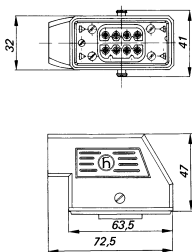
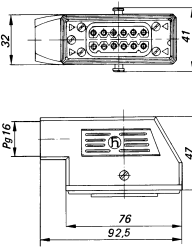
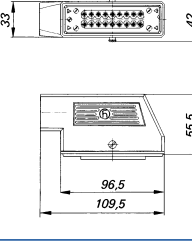
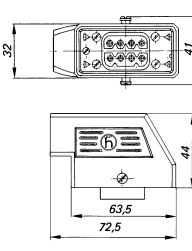
Robust connectors 6-, 10-, and 16-pole, narrow plastic housing, angled, for industrial application.

- Housing made of glass-fibre-reinforced, impact-resistant and unbreakable plastic
- Suitable for the use in machinery engineering in general, control engineering and in the chemical industry

- Protection against dust and splashes
- Safety bracket for vibration-proof plug connection, the connection is broken by unlocking
- Coding:
Comprising 4 pins and 4 sockets per plug connection, offset at 120° each
- VDE-expertise with process inspection

Basic data

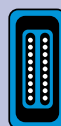
Operating voltage:
400 V AC / 250 V DC
Operating current: 10 A AC/DC
Protection class: IP 54
Outer cable diameter: 10mm - 13mm
Type of connection: screw
Colour of product: grey

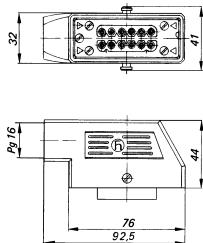
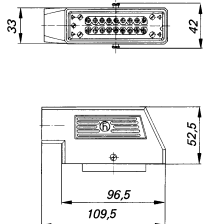
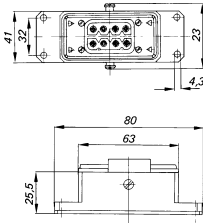
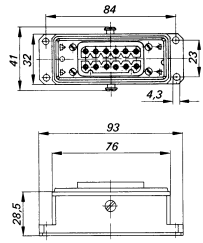
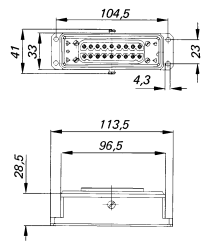
Type		Number of poles	Description	Order no.
 NS 6		6 + PE	Cable connector Cable gland must be ordered separately Operating current: 10A/250 V DC, 10A/400 V AC	932 293-106
 NS 10		10 + PE	Cable connector Cable gland must be ordered separately Operating current: 10A/250 V DC, 10A/400 V AC	932 294-106
 NS 16		16 + PE	Cable connector Cable gland must be ordered separately Operating current: 10A/250 V DC, 10A/400 V AC	932 295-106
 NK 6		6 + PE	Cable socket Cable gland must be ordered separately Operating current: 10A/250 V DC, 10A/400 V AC	932 290-106

Connectors for mains connection

N-series

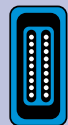
HiPower



Type		Number of poles	Description	Order no.
 NK 10		10 + PE	Cable socket Cable gland must be ordered separately Operating current: 10A/250 V DC, 10A/400 V AC	932 291-106
 NK 16		16 + PE	Cable socket Cable gland must be ordered separately Operating current: 10A/250 V DC, 10A/400 V AC	932 292-106
 NSE 6		6 + PE	Panel-mounted connector Operating current: 10A/250 V DC, 10A/400 V AC	932 299-106
 NSE 10		10 + PE	Panel-mounted connector Operating current: 10A/250 V DC, 10A/400 V AC	932 300-106
 NSE 16		16 + PE	Panel-mounted connector Operating current: 10A/250 V DC, 10A/400 V AC	932 301-106

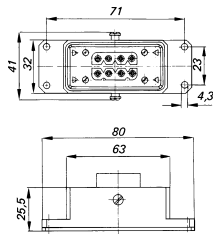
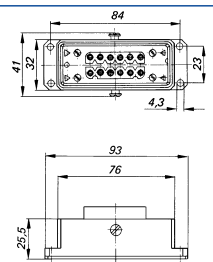
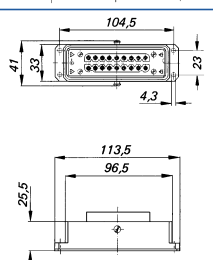


Connectors for mains connection



N-series

HiPower

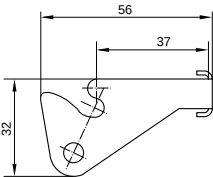
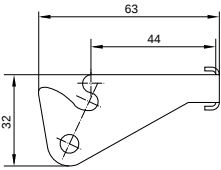
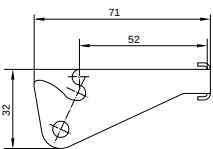
Type		Number of poles	Description	Order no.
 NKE 6		6 + PE	Panel-mounted socket Operating current: 10A/250 V DC, 10A/400 V AC	932 296-106
 NKE 10		10 + PE	Panel-mounted socket Operating current: 10A/250 V DC, 10A/400 V AC	932 297-106
 NKE 16		16 + PE	Panel-mounted socket Operating current: 10A/250 V DC, 10A/400 V AC	932 298-106
 NVZ 6 B		—	Cable gland Gland Pg 13,5 with strain relief bracket for cable diameter 10 - 13 mm	831 491-001
 NVZ 10 B		—	Cable gland Gland Pg 16 with strain relief bracket for cable diameter 10,5 - 15 mm	831 492-001

Connectors for mains connection



N-series

HiPower

Type		Number of poles	Description	Order no.
 NVZ 16 B		–	Cable gland Gland Pg 21 with strain relief bracket for cable diameter 14 - 18,5 mm	831 493-001
 NSI 6-1		–	Accessories Safety bracket steel, galvanized	731 307-000
 NSI 10-1		–	Accessories Safety bracket steel, galvanized	731 051-000
 NSI 16-1		–	Accessories Safety bracket steel, galvanized	731 343-000
 NC 10		–	Accessories Coding consisting of 4 coding pins and 4 coding sockets	930 626-000



Notes

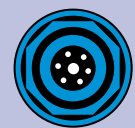


Connectors for control signals





Connectors for control signals



NR-series

HiPower

Product description

Multi-pole shielded circular connectors. Design according to DIN 43651, all-metal construction, used for control and measurement systems.

- Connection of shielded cables with PG-cable gland, efficient shielding ensures transmission free of electromagnetic and parasitic interference from the PG-cable gland to the machine

- For situations susceptible to interference and safety-related applications
- Suitable for use under extreme mechanical stress

Basic data

Number of poles: 6 + PE, 11 + PE
Operating voltage: 25 V AC; 50 V DC
Operating current:
10 A (6-pole), 5 A (11-pole)

Contact material/surface:

CuZn silver-plated

Protection class: IP 65

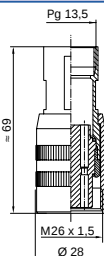
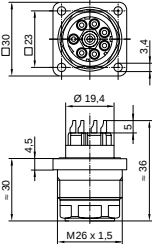
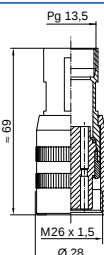
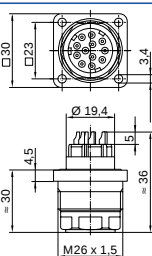
Type of connection: crimp / solder

Connection cross-section: max.

1,5 mm² (6-pole), 0,5 mm² (11-pole)

Ambient temperature: -25 ... +90°C

Contacts are to be ordered separately, see chapter: Contacts, crimping systems, accessories

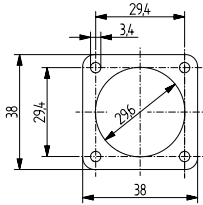
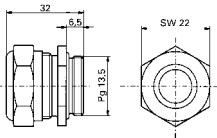
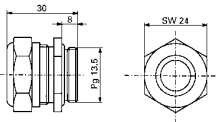
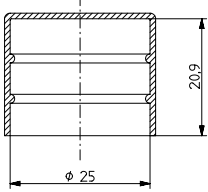
Type		Number of poles	Description	Suitable for	Order no.
 N6R EFS		6 + PE	Cable socket, straight Type of connection: crimp Contacts: RBC 162	N6R BM FA S (EMV-PG-cable gland is to be ordered separately!)	933 711-001
 N6R BM FAS		6 + PE	Surface-mounted connector with flange Type of connection: solder	N6R EF S	933 710-001
 N11R EFS		11 + PE	Cable socket, straight Type of connection: crimp Contacts: RBC 162/1	N11R BM FAS (EMV-PG-cable gland is to be ordered separately!)	933 700-001
 N11R BM FAS		11 + PE	Surface-mounted connector with flange Type of connection: solder	N11R EF S	933 699-001

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories



NR-series

HiPower

Type		Number of poles	Description	Suitable for	Order no.
 N6R-40		—	Conductive flat gasket	N6R BM FAS, N11R BM FAS	734 633-001
 N6R-41		—	EMV-PG-cable gland for lead diameter 6 - 12 mm	N6R EF S N11R EF S	734 605-001
 N6R-42		—	EMV-PG-cable gland for lead diameter 12 - 15 mm	N6R EF S, N11R EF S	734 606-001
 SHK 4		—	Protective cover for surface-mounted connector	N6R BM FAS, N11R BM FAS	734 582-001

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories



Connectors for control signals



NR-series

HiPower

Product description

Multi-pole circular connectors according to DIN 43651.

- Robust design
- Casing out of impact-proof, unbreakable plastic, glass-fibre reinforced
- Splash-proof, protection class IP 65 (DIN 40050)
- Vibration-proof connection due to central screw or screw bushing
- Strain relief due to claw cage in the

PG-cable gland

- Colour of product: grey

Basic data

Number of poles: 6 + PE, 11 + PE

Operating voltage:

250 V AC / DC (6-pole)

60 V AC / DC (11-pole)

Operating current: 10 A (6-pole),

5 A (11-pole)

Contact material/surface:

CuZn silver-plated

Protection class: IP 65

Type of connection:

crimp / screw / solder

Connection cross-section: max.

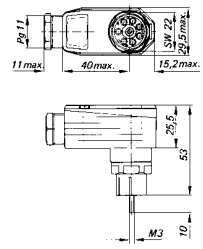
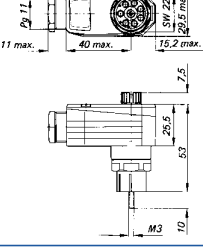
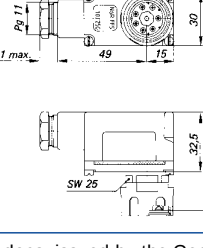
1,5 mm² (6-pole), 0,5 mm² (11-pole)

Outer cable diameter: 7-9 mm

(6-pole), 8-10 mm (11-pole)

Ambient temperature: -30 ... +90°C

Contacts are to be ordered separately, see chapter: Contacts, crimping systems, accessories

Type		Number of poles	Description	Suitable for	Order no.
 N6R FF		6 + PE 	Cable socket, angled Type of connection: crimp Contacts: RBC 162	N6R AM, N6R AM..., N6R BM..., N6R DM	931 435-106
 N6R FF R		6 + PE 	Cable socket, angled with knurled screw Type of connection: crimp Contacts: RBC 162	N6R AM, N6R AM..., N6R BM..., N6R DM	931 553-106
 N6R FF S11		6 + PE 	Cable socket, angled, transparent cap, for installation of the LED insert Type of connection: screw ²	N6R AM, N6R AM..., N6R BM..., N6R DM	932 194-112

1) In accordance with the repl. docs. issued by the German PTT, No. 64.5060.678.00

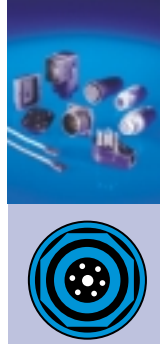
2) (Socket clamp connection); LED insert type N6R 3 LED 24 or N6R 3 LED 24DB - order separately

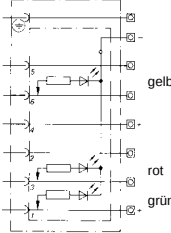
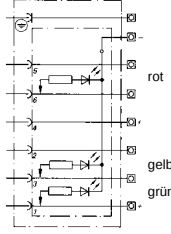
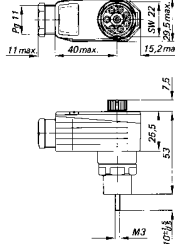
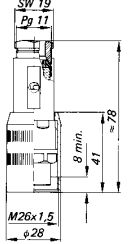
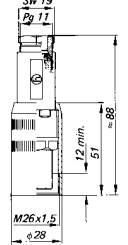
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

Connectors for control signals

NR-series

HiPower



Type		Number of poles	Description	Suitable for	Order no.
 N6R 3 LED 24		–	LED insert with 3 LEDs (green, red, yellow), Operating voltage DC 24 V Type of connection: plug in	N6R FF S 11	831 411-001
 N6R 3 LED 24 DB		–	LED insert with 3 LEDs (green, yellow, red), Operating voltage DC 24 V Type of connection: plug in	N6R FF S 11	831 618-001
 N6R FM R		6 + PE 	Cable connector, angled with knurled screw, Type of connection: crimp Contacts: RSC 162	N6R AF, N6R AF 5, N6R BF...	931 727-106
 N6R EF		6 + PE 	Cable socket, straight Type of connection: crimp Contacts: RBC 162	N6R AM, N6R AM..., N6R BM..., N6R DM	931 720-001
 N6R EM		6 + PE 	Cable connector, straight Type of connection: crimp Contacts: RSC 162	N6R AF, N6R AF 5, N6R BFE	931 776-001

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

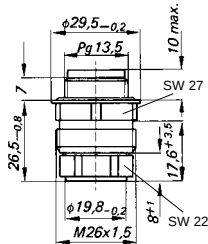
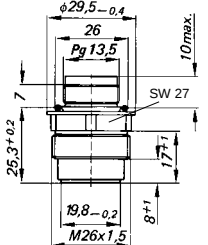
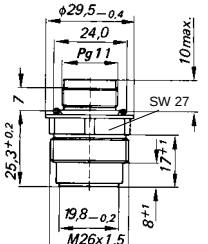
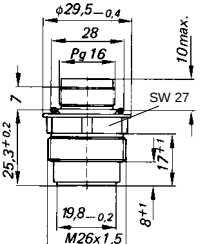
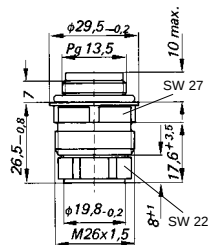


Connectors for control signals



NR-series

HiPower

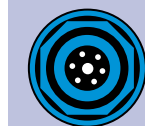
Type		Number of poles	Description	Suitable for	Order no.
 N6R AM		6 + PE 	Panel-mounted connector with metal screw-in casing, PG 13,5 Type of connection: crimp Contacts: RSC 162	N6R FF, N6R FFR, N6R EF	931 434-001
 N6R AM 2		6 + PE 	Panel-mounted connector with contact bearer in the casing (monoblock design), PG 13,5 Type of connection: crimp Contacts: RSC 162	N6R FF, N6R FFR, N6R EF	931 592-001
 N6R AM 3		6 + PE 	Panel-mounted connector with contact bearer in the casing (monoblock design), PG 11 Type of connection: crimp Contacts: RSC 162	N6R FF, N6R FFR, N6R EF N6R EF	931 592-002
 N6R AM 4		6 + PE 	Panel-mounted connector with contact bearer in the casing (monoblock design), PG 16 Type of connection: crimp Contacts: RSC 162	N6R FF, N6R FFR, N6R EF	931 592-003
 N6R AM 5		6 + PE 	Panel-mounted connector with metal screw-in insert in the casing (metal segment), PG 13,5 Type of connection: crimp Contacts: RSC 162	N6R FF, N6R FFR, N6R EF	931 773-001

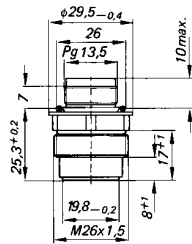
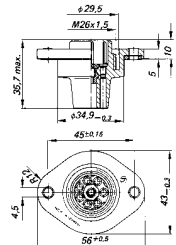
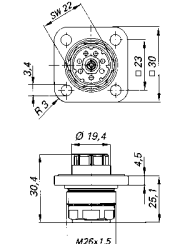
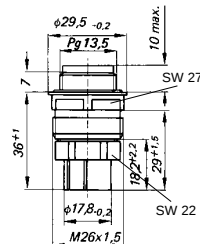
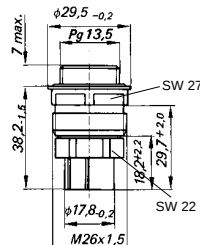
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

Connectors for control signals

NR-series

HiPower



Type		Number of poles	Description	Suitable for	Order no.
 N6R AM 2 D		6 + PE 	Panel-mounted connector with contact bearer in the casing (monoblock design), PG 13,5 pins hermetically mounted to prevent ingress of liquids Type of connection: solder	N6R FF, N6R FFR, N6R EF	932 207-206
 N6R BME		6 + PE 	Panel-mounted connector with flange Type of connection: crimp Contacts: RSC 162	N6R FF, N6R FFR, N6R EF	931 731-106
 N6R BM FA		6 + PE 	Surface-mounted connector with flange Type of connection: crimp Contacts: RSC 162	N6R FF, N6R FFR, N6R EF, N6R FF S 11	932 437-206
 N6R AF		6 + PE 	Panel-mounted socket with metal screw-in casing, PG 13,5 Type of connection: crimp Contacts: RBC 162	N6R FMR, N6R EM, N6R DM	931 855-001
 N6R AF 5		6 + PE 	Panel-mounted socket with metal screw-in insert in the casing (metal segment), PG 13,5 Type of connection: crimp Contacts: RBC 162	N6R FMR, N6R EM, N6R DM	932 164-001

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

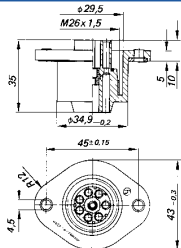
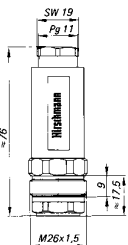
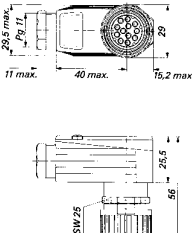
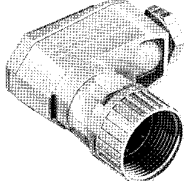
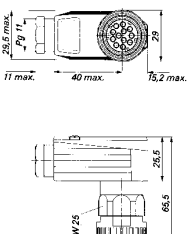
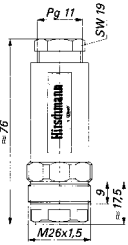


Connectors for control signals



NR-series

HiPower

Type		Number of poles	Description	Suitable for	Order no.
 N6R BFE		6 + PE 	Panel-mounted socket with flange Type of connection: crimp Contacts: RBC 162	N6R FMR, N6R EM, N6R DM	931 730-106
 N6R DM		6 + PE	Coupling connector for cable socket N6R EF Type of connection: crimp Contacts: RSC 162	N6R EF	932 273-106
 N11R FF		11 + PE	Cable socket, angled Type of connection: crimp Contacts: RBC 162/1	N11R AM, N11R AM 5, N11R BM FA	932 632-106
 N11R FM		11 + PE	Cable connector, angled Type of connection: crimp Contacts: RSC 162/1	N11R AF, N11R AF 5	932 633-106
 N11R DM		11 + PE	Coupling connector for cable socket N11R EF Type of connection: crimp Contacts: RSC 162/1	N11R EF	932 629-106

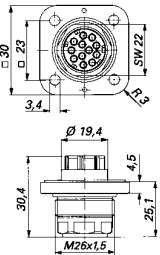
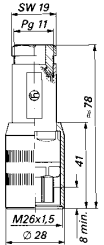
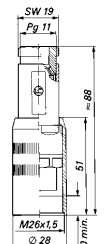
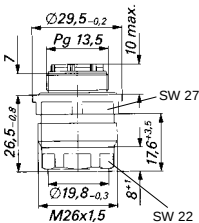
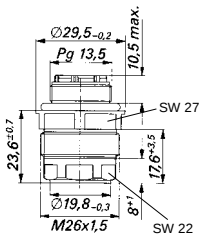
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

Connectors for control signals

NR-series

HiPower



Type		Number of poles	Description	Suitable for	Order no.
 N11R BM FA		11 + PE	Surface-mounted connector with flange Type of connection: crimp Contacts: RSC 162/1	N11R FF, N11R EF	932 628-206
 N11R EF		11 + PE	Cable socket, straight Type of connection: crimp Contacts: RBC 162/1	N11R AM, N11R AM 5, N11R BM FA, N11R DM	932 630-106
 N11R EM		11 + PE	Cable connector, straight Type of connection: crimp Contacts: RSC 162/1	N11R AF, N11R AF 5	932 631-106
 N11R AM		11 + PE	Panel-mounted connector with metal screw-in casing, PG 13,5 Type of connection: crimp Contacts: RSC 162/1	N11R FF, N11R EF	932 626-106
 N11R AM 5		11 + PE	Panel-mounted connector with metal screw-in insert in the casing (metal segment), PG 13,5 Type of connection: crimp Contacts: RSC 162/1	N11R FF, N11R EF	932 627-106

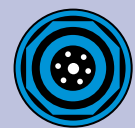
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories



HIRSCHMANN

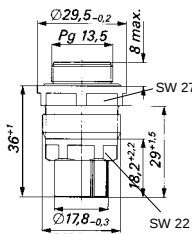
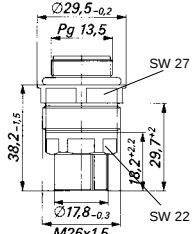
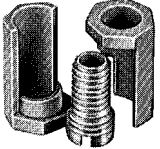
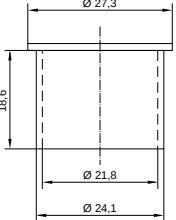


Connectors for control signals



NR-series

HiPower

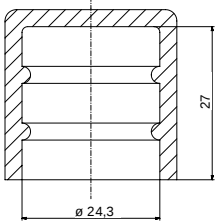
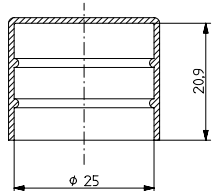
Type		Number of poles	Description	Suitable for	Order no.
 N11R AF		11 + PE	Panel-mounted socket with metal screw-in casing, PG 13,5 Type of connection: crimp Contacts: RBC 162/1	N11R FM, N11R EM	932 624-106
 N11R AF 5		11 + PE	Panel-mounted socket with metal screw-in insert in the casing (metal segment), PG 13,5 Type of connection: crimp Contacts: RBC 162/1	N11R FM, N11R EM	932 625-106
 NC 6		—	Coding, complete	All connectors N6R...	831 002-011
 N6R-13		—	Central screw with knurled head	Cable connectors and sockets N6R...	731 735-001
 SHK1		—	Protective cover for transport	N6R AM 2, N6R AM 3, N6R AM 4, N6R AM 2 D	733 849-011

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories



NR-series

HiPower

Type		Number of poles	Description	Order no.
 SHK2		—	Protective cover for transport Suitable for: N6R AM, N6R AM 5, N6R BM FA, N6R AF, N6R AF 5, N6R DM, N11R DM, N11R BM FA, N11R AM, N11R AM 5, N11R AF, N11R AF 5	733 845-001
 SHK4		—	Protective cover for surface-mounted connectors. Suitable for: N6R AM, N6R AM 2, N6R AM 3, N6R AM 4, N6R AM 5, N6R AM 2 D, N6R BME, N6R DM, N6R BM FA, N11R DM, N11R BM FA, N11R AM, N11R AM 5	734 582-001

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

Notes



Connectors for control signals



CM-series

HiPower

Product description

Robust, universal circular connector for control lead connections in hydraulic- and pneumatic systems and in special machinery engineering.

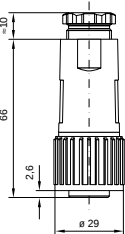
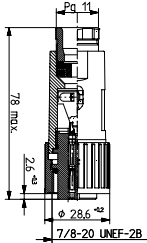
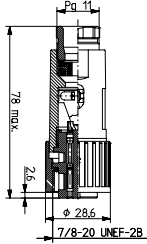
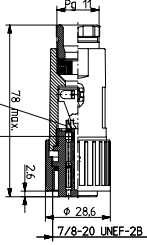
- Compatible with connectors according to MIL-C 5015 resp. VG 95 342

- Housing made of impact-resistant plastic, glass-fibre-reinforced, with screw locking systems for trouble-free, permanent connections

- Easy handling for a quick assembly with integrated strain relief

Basic data

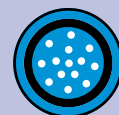
Operating voltage: 50 V AC / DC
 Operating current: max. 16 A
 Protection class: IP 67
 Pollution severity class: 3
 Outer cable diameter: 8mm - 14mm
 Contact surface: Cu Zn/Ag
 Type of connection: solder

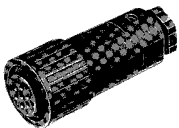
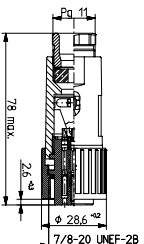
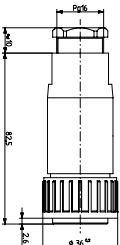
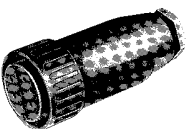
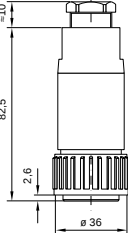
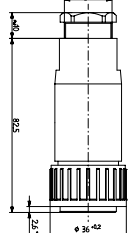
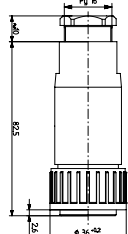
Type		Number of poles	Description	Order no.
 CM 06 EA 14S-7 S		3	Cable socket, straight design, strain relief by means of a clamp Operating current: 10 A	933 049-100
 CM 06 EA 14S-2 S		4	Cable socket, straight design, strain relief by means of a clamp Operating current: 10 A	932 457-100
 CM 06 EA 14S-5 S		5	Cable socket, straight design, strain relief by means of a clamp Operating current: 10 A	932 841-100
 CM 06 EA 14S-6 S		6	Cable socket, straight design, strain relief by means of a clamp Operating current: 10 A	932 458-100

Connectors for control signals

CM-series

HiPower



Type		Number of poles	Description	Order no.
		6 + PE	Cable socket, straight design, strain relief by means of a clamp Operating voltage: 10 A	932 460-100
		7	Cable socket, straight design, strain relief by means of a clamping cage Operating current: 16 A	933 052-100
		8	Cable socket, straight design, strain relief by means of a clamping cage Operating current: 10 A	932 842-100
		14	Cable socket, straight design, strain relief by means of a clamping cage Operating current: 5 A	933 067-100
		17	Cable socket, straight design, strain relief by means of a clamping cage Operating current: 4 A	933 068-100

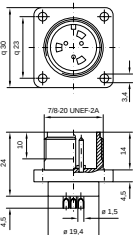
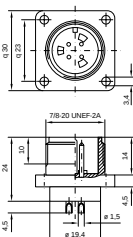
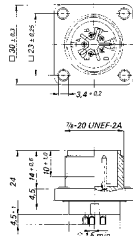
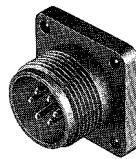
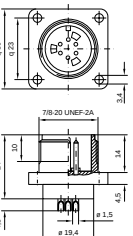
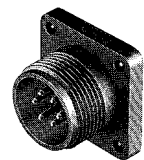
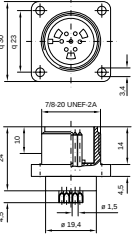


Connectors for control signals



CM-series

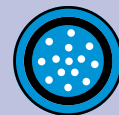
HiPower

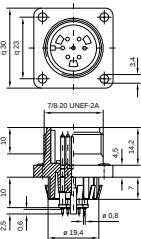
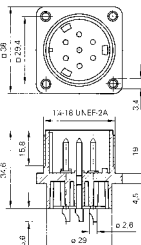
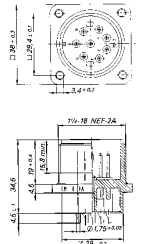
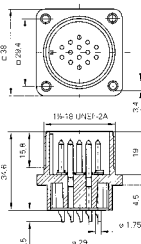
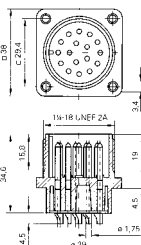
Type		Number of poles	Description	Order no.
		3	Surface-mounted connector with flange, contacts with solder bucket Operating current: 10 A	933 047-100
		4	Surface-mounted connector with flange, contacts with solder bucket Operating current: 10 A	932 449-100
		5	Surface-mounted connector with flange, contacts with solder bucket Operating current: 10 A	932 843-100
		6	Surface-mounted connector with flange, contacts with solder bucket Operating current: 10 A	932 451-100
		6 + PE	Surface-mounted connector with flange, contacts with solder bucket Operating current: 16 A	932 455-100

Connectors for control signals

CM-series

HiPower



Type		Number of poles	Description	Order no.
		6 + PE	Surface-mounted connector with flange, tipped with filters 6x1 nF Operating current: 2 A	932 988-100
		7	Surface-mounted connector with flange, contacts with solder bucket Operating current: 16 A	933 050-100
		8	Surface-mounted connector with flange, contacts with solder bucket Operating current: 10 A	932 845-100
		14	Surface-mounted connector with flange, contacts with solder bucket Operating current: 5 A	933 062-100
		17	Surface-mounted connector with flange, contacts with solder bucket Operating current: 4 A	933 063-100



HIRSCHMANN

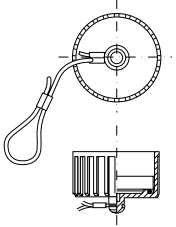
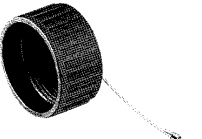
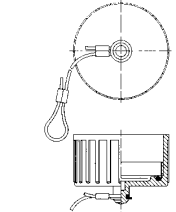
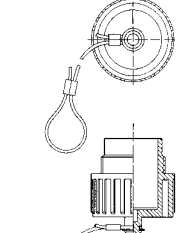
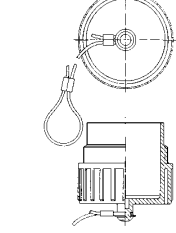
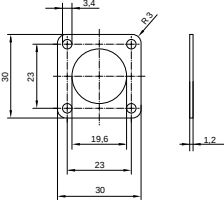


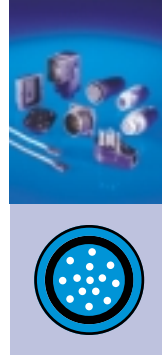
Connectors for control signals



CM-series

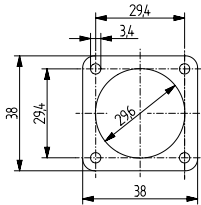
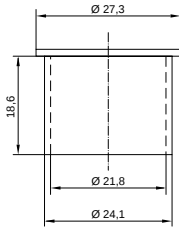
HiPower

Type		Number of poles	Description	Order no.
 CM 02 SD 14S		–	Protection cap for surface-mounted connectors 3 – 6-pole	831 620-100
 CM 02 SD 20		–	Protection cap for surface-mounted connectors 7 – 17-pole	831 766-100
 CM 06 SD 14S		–	Protection cap for cable sockets 3 – 6-pole	831 621-100
 CM 06 SD 20		–	Protection cap for cable sockets 7 – 17-pole	831 767-100
 CM 02 D 14S		–	Flat gasket NBR	733 321-002



CM-series

HiPower

Type		Number of poles	Description	Order no.
 CM 02 D 20		—	Flat gasket NBR	733 818-002
 SHK 1		—	Protective cover for surface-mounted connectors	733 849-001

Notes



Connectors for control signals

R-series

HiPower

Product description

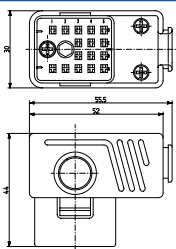
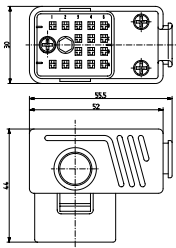
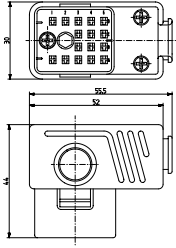
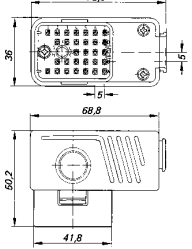
15- and 29-pole connector with additional earth contact. Equipped with either flat or fork-type contacts.

- Manifold application in telecommunications, measurement and control systems as well as in medical technology, test bays and in consumer electronics
- Vibration-proof connection by automatic interlock of contact bearers

- Coding by variation of position and colour of coding pins
- Suitable for integration into surface-mounted and panel-mounted trunking systems
- VDE-expertise with process inspection

Basic data

Operating voltage: max. 250 V AC / DC
 Operating current: 5 A AC / DC
 Protection class: IP 42
 Type of connection: solder / crimp
 Outer cable diameter: 5mm - 12mm
 Contact material: Cu Zn
 Contact surface:
 Gal Ni3 SN 5 / solder
 Gal Ni2 SN 4 / crimp
 Colour of product: black

Type		Number of poles	Description	Order no.
 RW 15		15 + PE	Angled socket/resp. -connector with protective cover, strain relief and lock, can be equipped with flat and fork-type contacts as desired Type of connection: solder / crimp	973 654-100
 RSW 15		15 + PE	Angled connector with protective cover, strain relief and lock, set comprises: protective cover, contact bearer, contacts, dust cap Type of connection: solder	973 680-001 black 973 680-002 pearl white
 RSWC 15		15 + PE	Angled connector with protective cover, strain relief and lock, set comprises: protective cover, contact bearer, contacts, dust cap Type of connection: crimp	973 682-001
 RW 29		29 + PE	Angled socket/resp. -connector with protective cover, strain relief and lock, can be equipped with flat and fork-type contacts as desired Type of connection: solder / crimp	973 763-100

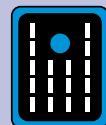
Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories

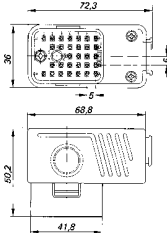
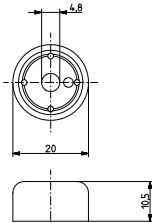
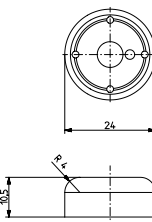
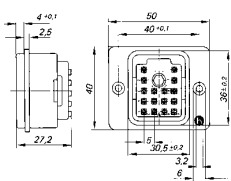
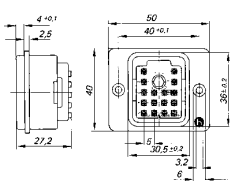
Connectors for control signals



R-series

HiPower



Type		Number of poles	Description	Order no.
 RSWC 29		29 + PE	Angled connector with protective cover, strain relief and lock, set comprises: protective cover, contact bearer, contacts, dust cap Type of connection: crimp	973 768-001
 RD 512		15	Dust cap for lead diameter 5-12 mm, required for IP 42	973 666-100
 RD 716		29	Dust cap for lead diameter 7-16 mm, required for IP 42	973 765-100
 RE 15		15 + PE	Panel-mounted socket/resp. -connector with two-hole flange, can be equipped with flat and fork-type contacts as desired Type of connection: solder / crimp	973 653-100
 RBE 15		15 + PE	Panel-mounted socket with two-hole flange, set with fork-type contacts Type of connection: solder	973 681-001

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories



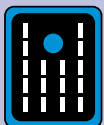
HIRSCHMANN

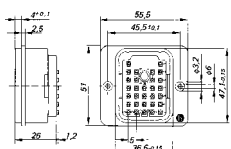
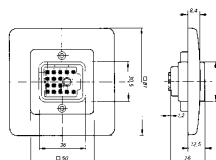
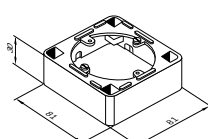
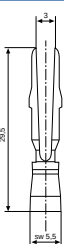


Connectors for control signals

R-series

HiPower



Type		Number of poles	Description	Order no.
 RE 29		29 + PE	Panel-mounted socket/resp.-connector with two-hole flange, can be equipped with flat and fork-type contacts as desired Type of connection: solder / crimp	973 764-100
 RAUP 15		15 + PE	15-pole insert for panel-mounted sockets according to DIN 49 073 (58x33 mm, 58x40 mm) with AR 20, suitable for surface mounting Type of connection: solder / crimp	973 852-135 pearl white
 AR 20		—	Frame for surface mounting	933 650-001 white
 RC 600		—	Coding	973 667-100 black 973 667-101 red

Contacts and accessories can be found in chapter: Contacts, crimping systems, accessories





Connectors for control signals

ME-series

HiPower

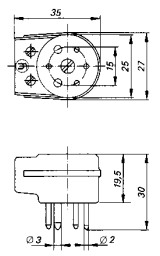
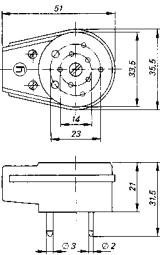
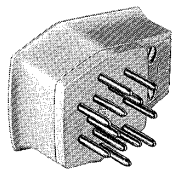
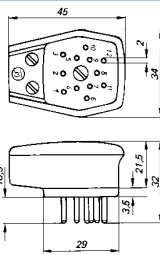
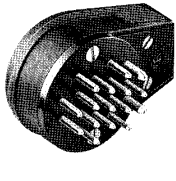
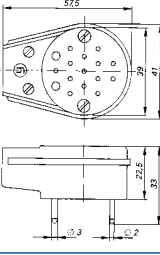
Product description

Angled connector with small dimensions and a large number of contacts. 6- pole to 24-pole.

- For connections in telecommunications, emergency call systems, paging and intercom equipment
- Connections in control and measurement systems, house installations and laboratory equipment

Basic data

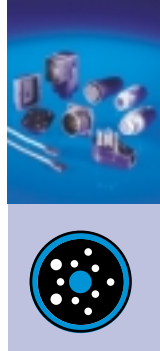
Operating voltage: 60V AC / 75V DC
 Operating current:
 10 A AC / DC 3mm contacts
 4 A AC / DC 2mm contacts
 1 A AC / DC GSK types
 Outer lead diameter: 9,5mm - 14mm
 Protection class: IP 30
 Type of connection: solder
 Socket clamp for GSK types

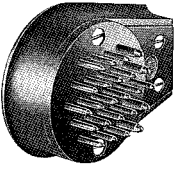
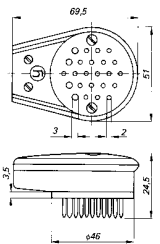
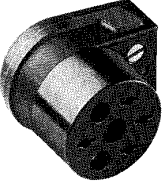
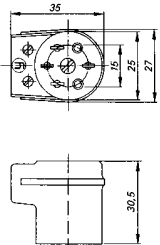
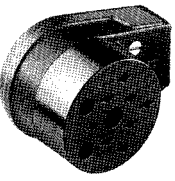
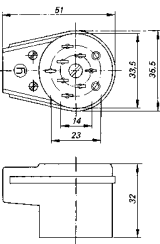
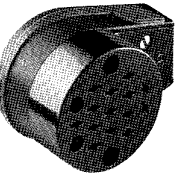
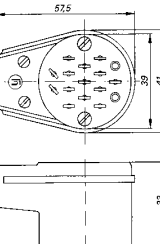
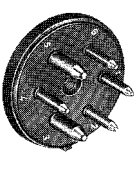
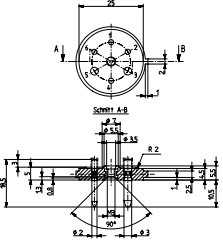
Type		Number of poles	Description	Order no.
 MES 60 BZ		6	Cable connector with strain relief Contacts: 2x3 mm, 4x2 mm Colour: contact bearer black Casing black, grey, white RAL 1014	973 016-100 black 973 016-114 grey 973 016-135 white
 MES 100		10	Cable connector with strain relief Contacts: 2x3 mm, 8x2 mm Colour: contact bearer black Casing black, white	973 017-100 black 973 017-190 white
 MES 120		12	Cable connector with strain relief Contacts: 12x2 mm Colour: contact bearer grey RAL 7032 Casing white RAL 1013	973 089-135
 MES 160		16	Cable connector with strain relief Contacts: 2x3 mm, 14x2 mm Colour: contact bearer black Casing black or white RAL 1013	973 018-100 black 973 018-190 white

Connectors for control signals

ME-series

HiPower



Type		Number of poles	Description	Order no.
 MES 240		24	Cable connector with strain relief Contacts: 4x3 mm, 20x2 mm Colour: contact bearer black Casing black or white RAL 1013	973 019-100 black 973 019-190 white
 MEK 60 BZ		6	Cable socket with strain relief Contacts: 2x3 mm, 4x2 mm Colour: black	973 025-100
 MEK 100		10	Cable socket with strain relief Contacts: 2x3 mm, 8x2 mm Colour: black	973 033-100
 MEK 160		16	Cable socket with strain relief Contacts: 2x3 mm, 14x2 mm Colour: black	973 014-100
 MESEI 60		6	Panel-mounted connector for injection moulding Contacts: 2x3 mm, 4x2 mm Colour: black	973 020-100

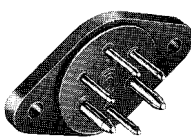
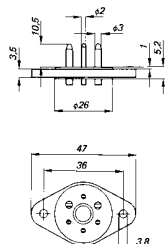
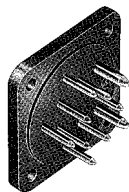
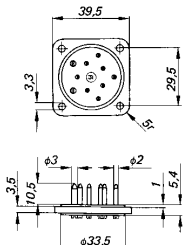
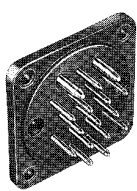
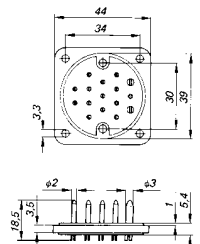
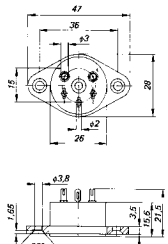
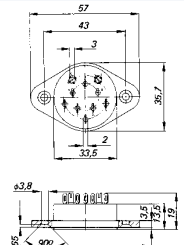


Connectors for control signals

ME-series

HiPower



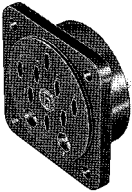
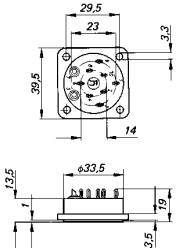
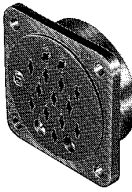
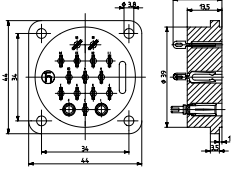
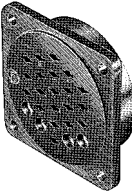
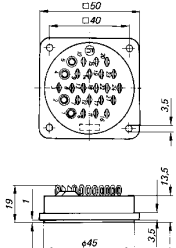
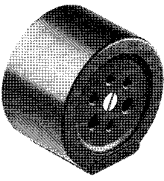
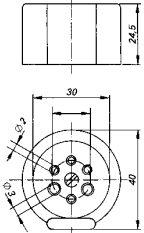
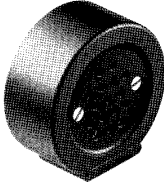
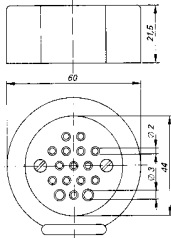
Type		Number of poles	Description	Order no.
 MESEI 60 F		6	Panel-mounted connector with flange Contacts: 2x3 mm, 4x2 mm Colour: black	973 021-100
 MESEI 100		10	Panel-mounted connector with 4-hole flange Contacts: 2x3 mm, 8x2 mm Colour: black	973 006-100
 MESEI 160		16	Panel-mounted connector with 4-hole flange Contacts: 2x3 mm, 8x2 mm Colour: black	973 023-100
 MEB 60 HS		6	Panel-mounted socket with flange Contacts: 2x3 mm, 4x2 mm Colour: black	973 087-100
 MEB 100 S		10	Panel-mounted socket with 2-hole flange Contacts: 2x3 mm, 8x2 mm Colour: black	973 088-100

Connectors for control signals

ME-series

HiPower



Type		Number of poles	Description	Order no.
 MEB 100 A		10	Panel-mounted socket with 4-hole flange Contacts: 2x3 mm, 8x2 mm Colour: black	973 002-100
 MEB 160		16	Panel-mounted socket with 4-hole flange Contacts: 2x3 mm, 14x2 mm Colour: black	973 009-100
 MEB 240		24	Panel-mounted socket with 4-hole flange Contacts: 4x3 mm, 20x2 mm Colour: black	973 013-100
 MED 60		6	Surface-mounted socket round Contacts: 2x3 mm, 4x2 mm	973 012-100 black 973 012-114 grey
 MED 160		16	Surface-mounted socket Contacts: 2x3 mm, 14x2 mm Colour: black	973 004-100



HIRSCHMANN

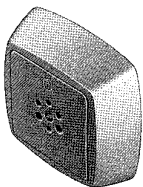
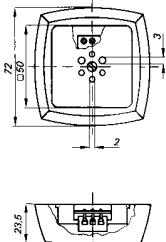
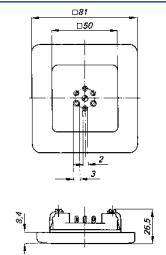
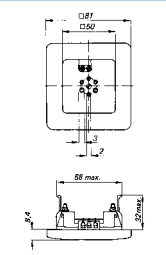
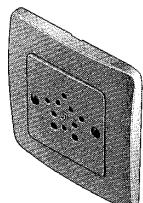
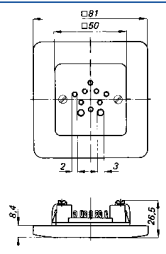
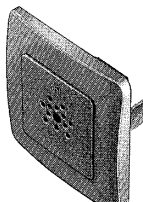
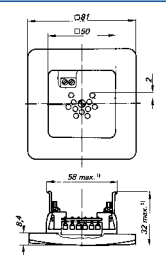


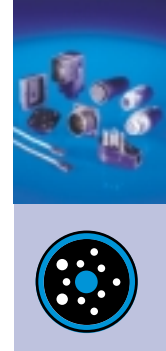
Connectors for control signals

ME-series

HiPower

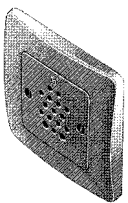
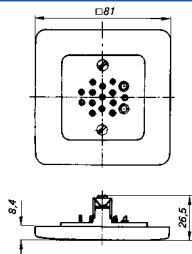
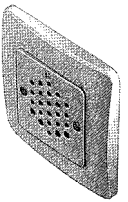
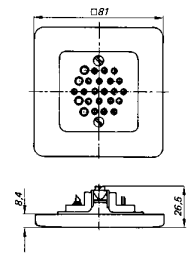
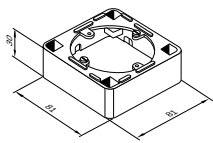


Type		Number of poles	Description	Order no.
 MED 600 GSK		6	Surface-mounted socket square Contacts: 2x3 mm, 4x2 mm Colour: grey	973 346-114
 MEDU 600		6	Screw-in wall outlets for panel-mounted sockets Contacts: 2x3 mm, 4x2 mm Colour: white RAL 1013	973 077-135
 MEDU 600 GSK		6	Screw-in wall outlets for panel-mounted sockets and claw-fastening of insert A (58 x 33) or B (58 x 40) DIN 49 073 Contacts: 2x3 mm, 4x2 mm	973 347-135 white RAL 1013
 MEDU 1000		10	Screw-in wall outlets for panel-mounted sockets Contacts: 2x3 mm, 8x2 mm Colour: white RAL 1013	973 078-135
 MEDU 1200 GSK		12	Screw-in wall outlets for panel-mounted sockets and claw-fastening of insert A (58 x 33) or B (58 x 40) DIN 49 073 Contacts: 12x2 mm	973 349-135 white RAL 1013



ME-series

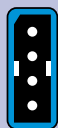
HiPower

Type		Number of poles	Description	Order no.
 MEDU 1600		16	Screw-in wall outlets for panel-mounted sockets Contacts: 2x3 mm, 14x2 mm Colour: white RAL 1013	973 079-135
 MEDU 2400		24	Screw-in wall outlets for panel-mounted sockets Contacts: 4x3 mm, 20x2 mm Colour: white RAL 1013	973 080-135
 AR 20		—	Frame for surface-mounting	933 650-001

Notes



Connectors for control signals



SP-series

HiPower

Product description

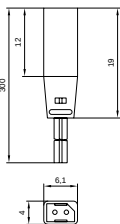
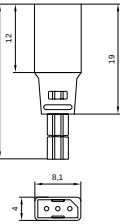
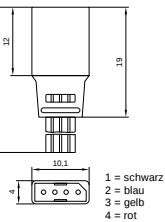
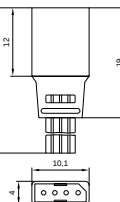
Subminiature connectors with 2mm contact spacing, 2-5-pole.

- For use in security systems, intrusion alarm systems, model-making and as versatile circuit board connector
- Moulded cable connectors and cable sockets in different lengths and colours

- Straight and angled outgoing lead; suitable for round and ribbon cables or individual twisted leads
- Reliable connections and high quality :
- locking lug prevents unintentional release

Basic data

Operating voltage: 30V AC / 36V DC
Operating current: 1,5 A
Pollution severity class: 2
Contacts: pin and spring fork
Pin diameter: 1mm
Type of connection: solder
Lead cross section: 0,14mm²
Ambient temperature: -30 ... 90°C

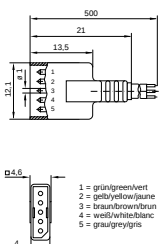
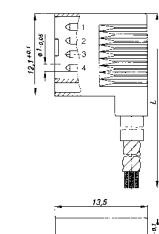
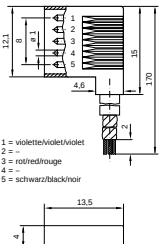
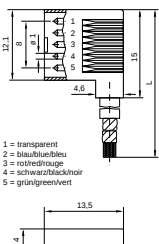
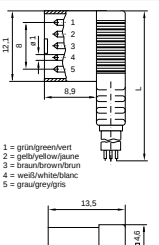
Type		Number of poles	Description	Order no.
 SP SG 22 FA		2	Cable connector integrally extruded ribbon cable Cable length: 300 mm	932 797-100
 SP SG 33 FA		3	Cable connector integrally extruded ribbon cable Cable length: 300 mm	932 798-100
 SP SG 44 FF		4	Cable connector integrally extruded ribbon cable Cable length: 300 mm	932 662-100
 SP SG 44 FH		4	Cable connector integrally extruded ribbon cable, silver-grey Cable length: 300 mm	932 879-100

Connectors for control signals



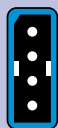
SP-series

HiPower

Type		Number of poles	Description	Order no.
		5	Cable connector integrally extruded round cable Cable length: 500 mm	932 244-200
		4	Angled cable connector with integrally extruded individual leads Cable length: 700 mm	931 738-300
		5	Angled cable connector with three integrally extruded individual leads Cable length: 170 mm	931 736-100
		5	Angled cable connector with integrally extruded individual leads Cable length: 287 mm	931 362-100
		5	Angled cable connector integrally extruded round cable Cable length: 300 mm	932 246-100

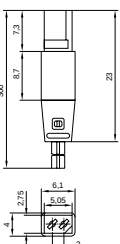
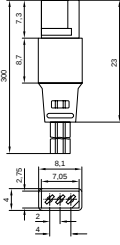
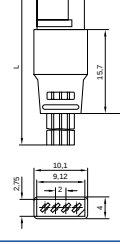
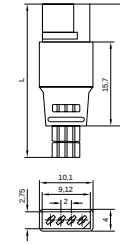
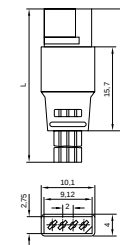


Connectors for control signals



SP-series

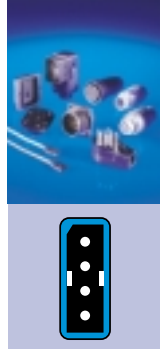
HiPower

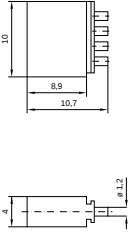
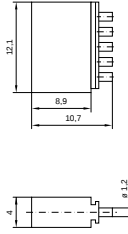
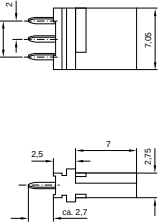
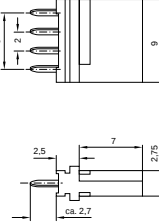
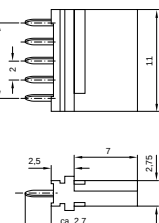
Type		Number of poles	Description	Order no.
		2	Cable socket integrally extruded ribbon cable Cable length: 300 mm	932 864-100
		3	Cable socket integrally extruded ribbon cable Cable length: 300 mm	932 865-100
		4	Cable socket integrally extruded ribbon cable, silver-grey Cable length: 1500 mm	932 803-100
		4	Cable socket integrally extruded ribbon cable, silver-grey Cable length: 5000 mm	932 803-300
		4	Cable socket integrally extruded ribbon cable, silver-grey Cable length: 10000 mm	932 803-800

Connectors for control signals

SP-series

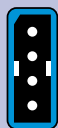
HiPower



Type		Number of poles	Description	Order no.
 SP S 4		4	Pin strip withstanding extreme mechanical stress thanks to locking hooks, Soldering time: max. 3s Soldering tip temperature: max. 350 C	932 237-100
 SP S 5		5	Pin strip withstanding extreme mechanical stress thanks to locking hooks, Soldering time: max. 3s Soldering tip temperature: max. 350 C	932 238-100
 SP B 3		3	Socket strip solder tabs, seating support prevents angled displacement	932 800-100
 SP B 4		4	Socket strip solder tabs, seating support prevents angled displacement	932 239-100
 SP B 5		5	Socket strip solder tabs, seating support prevents angled displacement	932 240-100

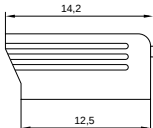
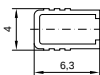


Connectors for control signals



SP-series

HiPower

Type		Number of poles	Description	Order no.
 SP SG 44 FB-4		4	Protection cap for all 4-pole pin strips	733 532-100
				
 SP H 45		4	Universal cover for 4- and 5-pole pin and socket strips	732 984-300
				

Notes

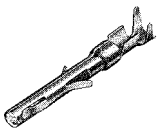
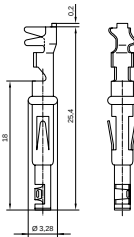
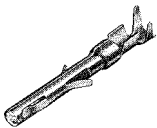
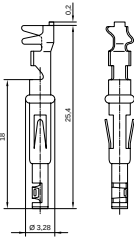
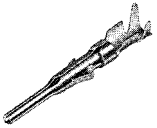
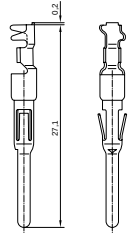
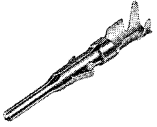
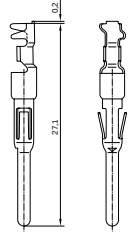
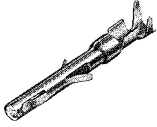
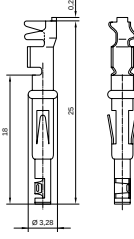




Connectors for control signals

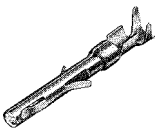
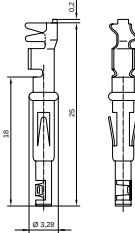
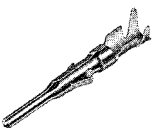
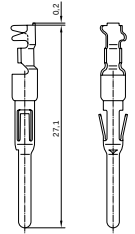
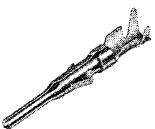
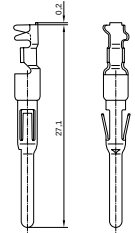
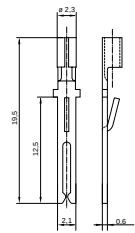
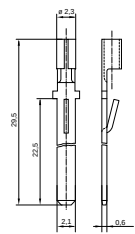


Contacts, crimping systems, accessories

Contacts		Description	Quantity boxed-pieces	Order no.
		Rolled engaging crimp contact (socket), $\varnothing$ 1.6 mm, BO crimp CuZn/silver-plated Range of cross-section: 0,14-0,5 mm ² Contacts for NR-series	100 pieces	733 383-021
		Rolled engaging crimp contact (socket), $\varnothing$ 1,6 mm, BO crimp CuZn/silver-plated Range of cross-section: 0,14-0,5 mm ² Contacts for NR-series	200 pieces coiled 2000 pieces coiled	733 385-002 733 385-001
		Rolled engaging crimp contact (pin contact), $\varnothing$ 1,6 mm, BO crimp CuZn/silver-plated Range of cross-section: 0,14-0,5 mm ² Contacts for NR-series	100 pieces	733 384-021
		Rolled engaging crimp contact (pin contact), $\varnothing$ 1,6 mm, BO crimp CuZn/silver-plated Range of cross-section: 0,14-0,5 mm ² Contacts for NR-series	200 pieces coiled 2000 pieces coiled	733 386-002 733 386-001
		Rolled engaging crimp contact (socket), $\varnothing$ 1,6 mm, BO crimp CuZn/silver-plated Range of cross-section: 0,5 -1,5 mm ² Contacts for NR-series	10 pieces 100 pieces	731 724-211 731 724-221



Contacts, crimping systems, accessories

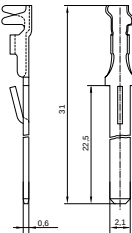
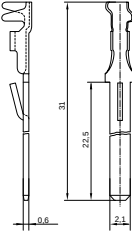
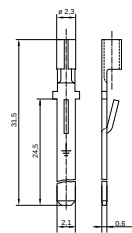
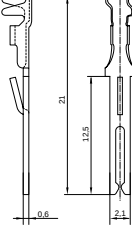
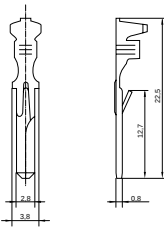
Contacts		Description	Quantity boxed-pieces	Order no.
 RBCB 162		Rolled engaging crimp contact (socket), ø 1,6 mm, BO crimp CuZn/silver-plated Range of cross-section: 0,5 -1,5 mm ² Contacts for NR-series	200 pieces coiled	731 726-202
			2000 pieces coiled	731 726-201
 RSC 162		Rolled engaging crimp contact (pin contact), ø 1,6 mm, BO crimp CuZn/silver-plated Range of cross-section: 0,5 -1,5 mm ² Contacts for NR-series	10 pieces	731 725-011
			100 pieces	731 725-021
 RSCB 162		Rolled engaging crimp contact (pin contact), ø 1,6 mm, BO crimp CuZn/silver-plated Range of cross-section: 0,5 -1,5 mm ² Contacts for NR-series	200 pieces coiled	731 727-002
			2000 pieces coiled	731 727-001
 RGL 060		Engaging solder contact, fork-type contact CuZn/silver-plated, CuZn/tin-plated Range of cross-section: up to 0,5 mm ² Contacts for R-series	100 pieces silver-plated	973 874-021
			100 pieces tin-plated	973 665-021
 RML 060		Engaging solder contact, flat contact CuZn/silver-plated, CuZn/tin-plated Range of cross-section: bis 0,5 mm ² Contacts for R-series	100 pieces	973 872-021 silver-plated
			100 pieces tin-plated	973 664-021



Connectors for control signals

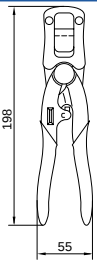
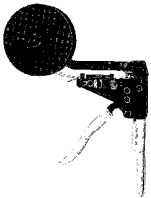


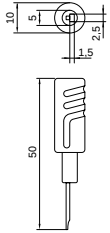
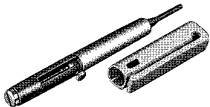
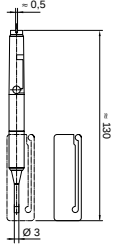
Contacts, crimping systems, accessories

Contacts		Description	Quantity boxed-pieces	Order no.
		Engaging solder contact, flat contact BO crimp CuZn/tin-plated Range of cross-section: up to 0,5 mm ² Contacts for R-series	100 pieces	973 735-021
		Engaging solder contact, flat contact BO crimp CuZn Range of cross-section: up to 0,5 mm ² Contacts for R-series	8000 pieces coiled 8000 pieces coiled 15000 pieces coiled	973 870-001 silver-plated 973 737-001 tin-plated 973 737-002 tin-plated
		Protective contact for fork-type contact RGL 060, leading 2 mm in assembled condition, CuZn/tin-plated Range of cross-section: up to 0.5 mm ² Contacts for R-series	10 pieces	973 663-011
		Engaging crimp contact, fork-type contact, BO crimp CuZn/silver-plated Range of cross-section: up to 0,5 mm ² Contacts for R-series	8000 pieces coiled	973 871-001
		Engaging crimp contact, flat contact, BO crimp CuZn/tin-plated Range of cross-section: 0,5-1 mm ² Contacts for G-series	100 pieces	731 991-021



Contacts, crimping systems, accessories

Crimping tools		Description	Order no.
		Manual crimping tool for B and O crimp with 3 profiles. Stroke length 5.5 mm. Weight approx. 270 g Profile 1: 0,14-0,5 mm ² (BO); Profile 2: 0,5-1,5 mm ² (B) Profile 3: 0,5 -1,5 mm ² (BO)	932 507-001
		Manual crimp feeder with XZC 0700 but with mount for coil. The tool is fitted with a detent, ensuring that it cannot be opened until the crimp connection has been completed Profile 1: 0,14-0,5 mm ² ; Profile 2: 0,5-1,5 mm ²	932 558-001

Ejector tools		Description	Order no.
		Ejector tool for flat and fork-type contacts R-series	973 669-001
		Ejector tool for crimping contacts ø 1.6 mm ST-series (5-pole), NR-series	931 812-001



Notes



Connectors for consumer electronics





Connectors for consumer electronics



MAS/MAK-series

HiMedia

Product description

Shielded miniature multipole connectors, 3- pole to 8-pole.

- Numerous different versions ensure a variety of uses in audio- and video equipment, measurement and control instruments, on projectors and in the computer technology

- Safe connection of connector, couplings, panel-mounted sockets and panel-mounted connectors with screw locking system
- All cable connectors feature clamping tabs to relieve the strain
- UM types as standard, but industry package, quantity boxed: 1000 units

Basic data

Operating voltage: 34 V AC / DC

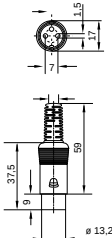
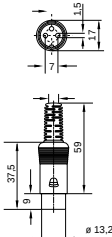
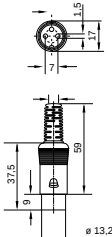
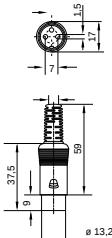
Operating current: 4 A

Flashover voltage: 1 kV

Insulation resistance: $10^{11} \Omega$

Type of connection: solder

Plug illustrations: EN 60130-9

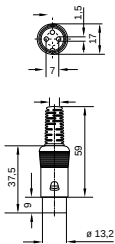
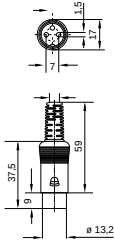
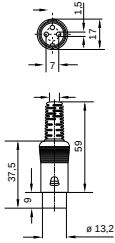
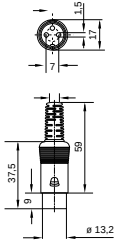
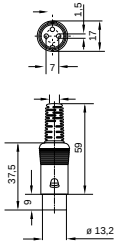
Type		Number of poles	Description	Colour	Order no.
 MAS 30 MAS 30 UM		3	Connector with insulated handle, solder connection	grey UM black UM grey	930 014-517 931 002-100 931 002-117
 MAS 40 MAS 40 UM		4	Connector with insulated handle, solder connection	grey UM grey	930 015-517 931 018-117
 MAS 50 MAS 50 UM		5	Connector with insulated handle, solder connection	grey UM black UM grey	930 016-517 931 034-100 931 034-117
 MAS 50 S MAS 50 S UM		5	Connector with insulated handle, solder connection	black grey UM black UM grey	930 131-500 930 131-517 931 036-100 931 036-117

Connectors for consumer electronics

MAS/MAK-series

HiMedia



Type		Number of poles	Description	Colour	Order no.
 MAS 50 W		5 	Connector with insulated handle, solder connection	grey	930 805-517
 MAS 60 MAS 60 UM		6 	Connector with insulated handle, solder connection	black grey UM black UM grey	930 017-500 930 017-517 931 044-100 931 044-117
 MAS 70 S MAS 70 S UM		7 	Connector with insulated handle, solder connection	black grey UM black UM grey	930 356-500 930 356-517 931 050-100 931 050-117
 MAS 80 S MAS 80 S UM		8 	Connector with insulated handle, solder connection	black grey UM black UM grey	930 298-500 930 298-517 931 183-100 931 183-117
 MAS 80 SN MAS 80 SN UM		8 	Connector with insulated handle, solder connection	black grey black UM grey UM	931 518-500 931 518-517 931 521-100 931 521-117



HIRSCHMANN

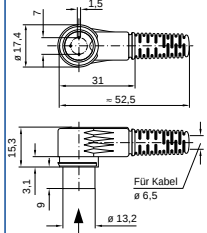
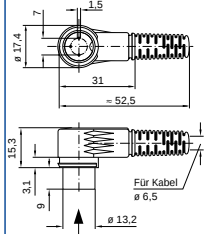
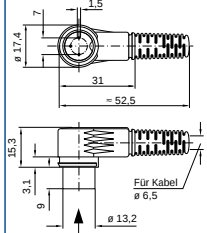
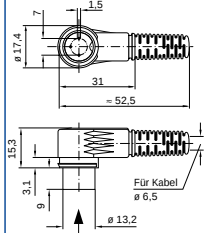
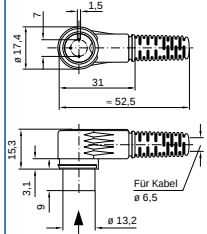


Connectors for consumer electronics



MAS/MAK-series

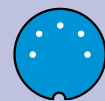
HiMedia

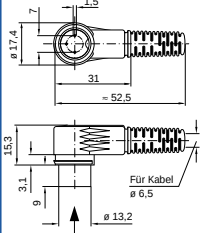
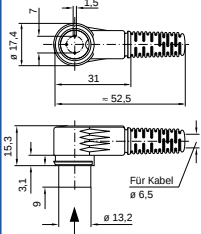
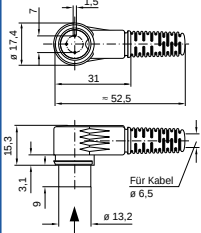
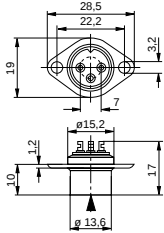
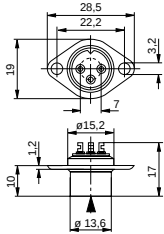
Type		Number of poles	Description	Colour	Order no.
 MAWI 30 B MAWI 30 B UM		3	Angled connector with insulated handle, solder connection	grey UM black UM grey	931 597-517 931 621-100 931 621-117
 MAWI 40 B		4	Angled connector with insulated handle, solder connection	grey	931 567-517
 MAWI 50 B		5	Angled connector with insulated handle, solder connection	grey	931 569-517
 MAWI 50 SB MAWI 50 SB UM		5	Angled connector with insulated handle, solder connection	grey UM black UM grey	931 571-517 931 572-100 931 572-117
 MAWI 60 B MAWI 60 B UM		6	Angled connector with insulated handle, solder connection	grey UM black UM grey	931 573-517 931 574-100 931 574-117

Connectors for consumer electronics

MAS/MAK-series

HiMedia



Type		Number of poles	Description	Colour	Order no.
 MAWI 70 SB		7	Angled connector with insulated handle, solder connection	grey	931 575-517
 MAWI 80 SB MAWI 80 SB UM		8	Angled connector with insulated handle, solder connection	grey UM black UM black	931 740-517 931 741-100 931 741-117
 MAWI 80 SN B MAWI 80 SN B UM		8	Angled connector with insulated handle, solder connection	grey UM black UM grey	931 577-517 931 578-100 931 578-117
 MASEI 3		3	Panel-mounted connector with flange, solder connection, die-cast casing and and flange,nickel-plated		930 063-500
 MASEI 5 S		5	Panel-mounted connector with flange, solder connection, die-cast casing and and flange,nickel-plated		930 934-500

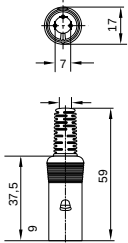
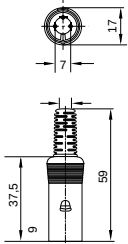
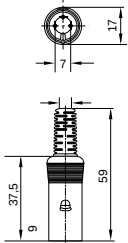
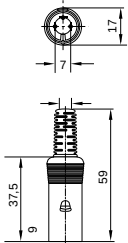
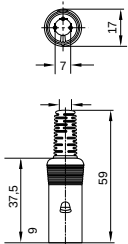


Connectors for consumer electronics



MAS/MAK-series

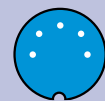
HiMedia

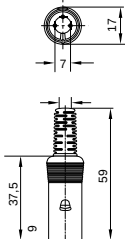
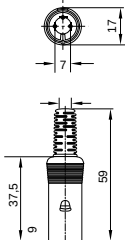
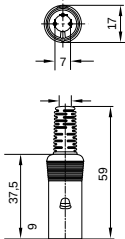
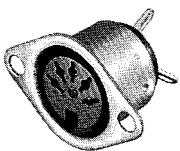
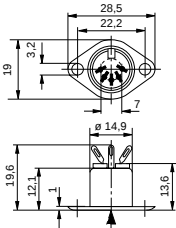
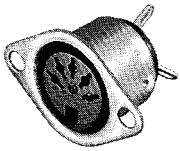
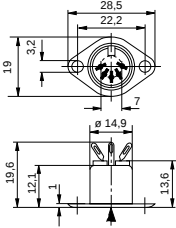
Type		Number of poles	Description	Colour	Order no.
 MAK 30 S MAK 30 S UM		3 	Coupling with insulated handle, solder connection	grey UM grey	930 149-517 931 080-117
 MAK 40 MAK 40 UM		4 	Coupling with insulated handle, solder connection	grey UM black UM grey	930 150-517 931 086-100 931 086-117
 MAK 50		5 	Coupling with insulated handle, solder connection	grey	930 151-517
 MAK 50 S MAK 50 S UM		5 	Coupling with insulated handle, solder connection	grey UM black UM grey	930 172-517 931 092-100 931 092-100
 MAK 60 MAK 60 UM		6 	Coupling with insulated handle, solder connection	grey UM black	930 152-517 931 100-100

Connectors for consumer electronics

MAS/MAK-series

HiMedia



Type		Number of poles	Description	Colour	Order no.
 MAK 70 S		7 	Coupling with insulated handle, solder connection	grey	930 388-517
 MAK 80 S		8 	Coupling with insulated handle, solder connection	grey	930 348-517
 MAK 80 SN		8 	Coupling with insulated handle, solder connection	grey	931 519-517
 MAB 3 S		3 	Panel-mounted socket with flange	black	930 018-200
 MAB 4		4 	Panel-mounted socket with flange	black	930 009-200

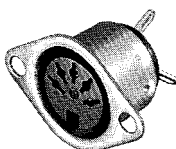
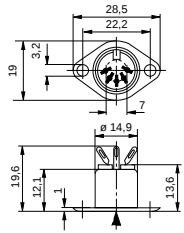
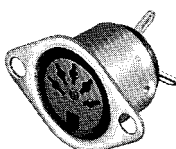
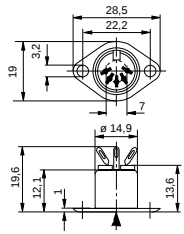
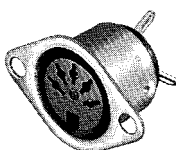
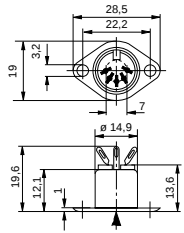
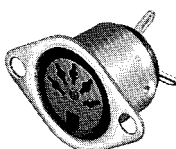
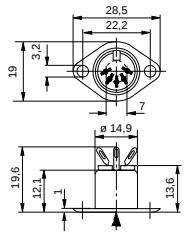
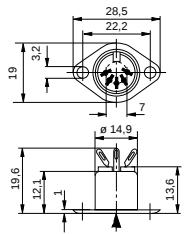


Connectors for consumer electronics



MAS/MAK-series

HiMedia

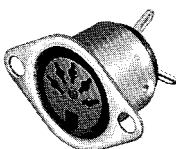
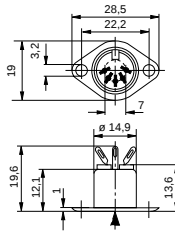
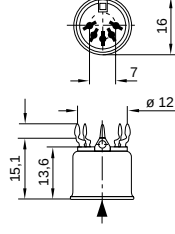
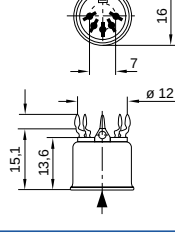
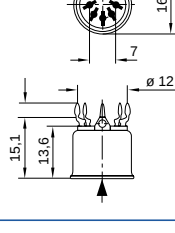
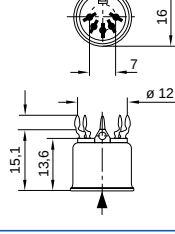
Type		Number of poles	Description	Colour	Order no.
 MAB 5		5 	Panel-mounted socket with flange	black	930 010-200
 MAB 5 S		5 	Panel-mounted socket with flange	black	930 071-200
 MAB 6		6 	Panel-mounted socket with flange	black	930 011-200
 MAB 7 S		7 	Panel-mounted socket with flange	black	930 343-200
 MAB 8 S		8 	Panel-mounted socket with flange	black	930 345-200

Connectors for consumer electronics

MAS/MAK-series

HiMedia



Type		Number of poles	Description	Colour	Order no.
 MAB 8 SN		8	Panel-mounted socket with flange	black	931 613-200
 MAB 5 SV		5	Panel-mounted socket for printed circuits, Plug-in direction perpendicular to the circuit board	black	930 777-200
 MAB 6 V		6	Panel-mounted socket for printed circuits, Plug-in direction perpendicular to the circuit board	black	930 812-200
 MAB 7 SV		7	Panel-mounted socket for printed circuits, Plug-in direction perpendicular to the circuit board	black	931 657-200
 MAB 8 SN V		8	Panel-mounted socket for printed circuits, Plug-in direction perpendicular to the circuit board	black	932 664-200

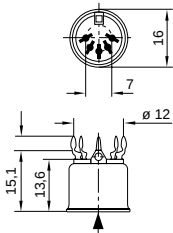
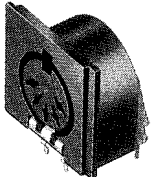
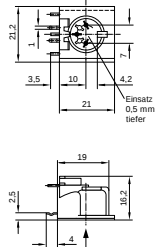
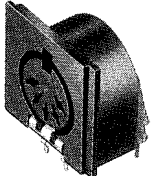
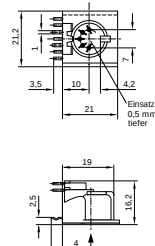
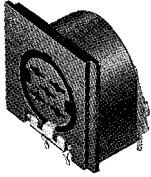
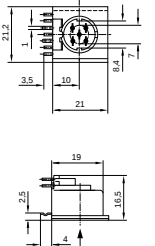
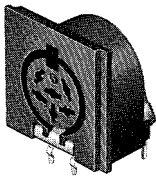
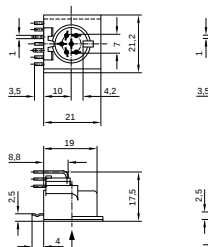


Connectors for consumer electronics



MAS/MAK-series

HiMedia

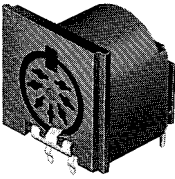
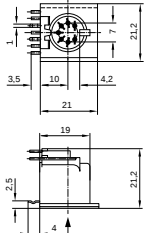
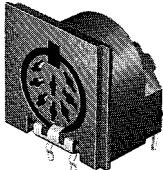
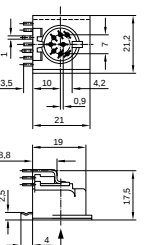
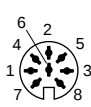
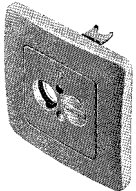
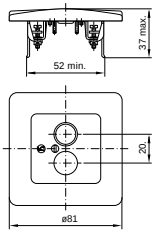
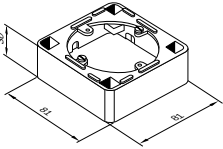
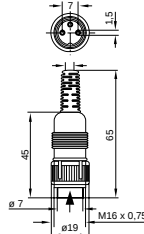
Type		Number of poles	Description	Colour	Order no.
 MAB 8 SV		8	Panel-mounted socket for printed circuits, Plug-in direction perpendicular to the circuit board	black	931 735-200
 MAB 3 SH		3	Panel-mounted socket for printed circuits, Plug-in direction parallel to the circuit board, Board thickness 1,5 mm	black	930 360-200
 MAB 5 SH		5	Panel-mounted socket for printed circuits, Plug-in direction parallel to the circuit board, Board thickness 1,5 mm	black	931 744-200
 MAB 5 WH		5	Panel-mounted socket for printed circuits, Plug-in direction parallel to the circuit board, Board thickness 1,5 mm	black	930 236-200
 MAB 6 H		6	Panel-mounted socket for printed circuits, Plug-in direction parallel to the circuit board, Board thickness 1,5 mm	black	930 778-200

Connectors for consumer electronics

MAS/MAK-series

HiMedia



Type		Number of poles	Description	Colour	Order no.
 MAB 7 SH-L		7 	Panel-mounted socket for printed circuits, Plug-in direction parallel to the circuit board, Board thickness 1,5 mm	black	930 518-200
 MAB 8 SH		8 	Panel-mounted socket for printed circuits, Plug-in direction parallel to the circuit board, Board thickness 1,5 mm	black	931 399-200
 MABU LD-V		—	Connecting socket for 58 mm panel-mounted sockets, can be equipped with flanged panel-mounted sockets, e.g. MAB 5S	ivory	930 698-108
 AR 20		—	Surface-mounted frame for MABU LD-V	ivory	933 650-001
 MAS 3100 MAS 3100 UM		3 	Connector with locking screw, solder connection	grey UM grey	930 304-517 931 068-117

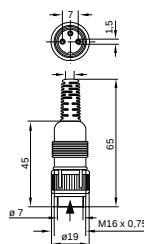
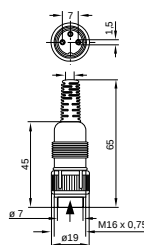
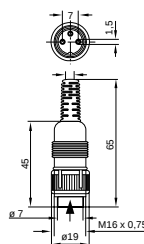
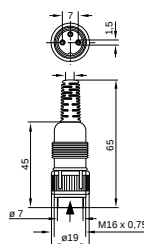
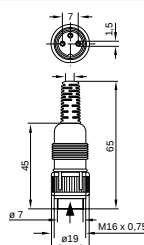


Connectors for consumer electronics



MAS/MAK-series

HiMedia

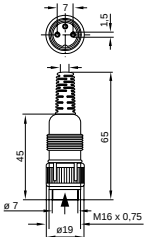
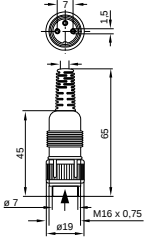
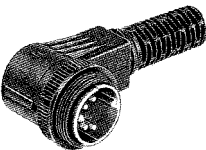
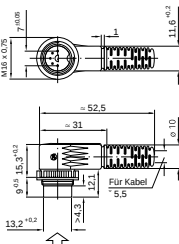
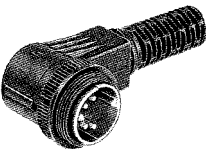
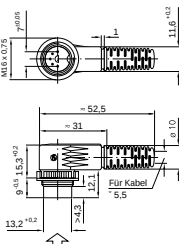
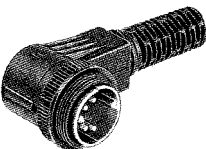
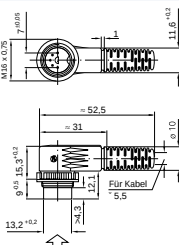
Type		Number of poles	Description	Colour	Order no.
 MAS 4100 MAS 4100 UM		4 	Connector with locking screw, solder connection	grey UM black UM grey	930 963-517 931 173-100 931 173-117
 MAS 5100 MAS 5100 UM		5 	Connector with locking screw, solder connection	grey UM black UM grey	930 964-517 931 189-100 931 189-117
 MAS 5100 S MAS 5100 S UM		5 	Connector with locking screw, solder connection	grey UM grey	930 965-517 931 174-117
 MAS 6100 MAS 6100 UM		6 	Connector with locking screw, solder connection	grey UM grey	930 966-517 931 151-117
 MAS 7100 S MAS 7100 S UM		7 	Connector with locking screw, solder connection	grey UM grey	930 688-517 930 689-117

Connectors for consumer electronics

MAS/MAK-series

HiMedia



Type		Number of poles	Description	Colour	Order no.
 MAS 8100 S		8 	Connector with locking screw, solder connection	grey UM black UM grey	930 539-517 931 240-100 931 240-117
 MAS 8100 SN UM		8 	Connector with locking screw, solder connection	UM black UM grey	931 750-100 931 750-117
 MAWI 3100		3 	Angled connector with locking screw, solder connection	grey	932 906-117
 MAWI 4100		4 	Angled connector with locking screw, solder connection	grey	932 907-117
 MAWI 5100		5 	Angled connector with locking screw, solder connection	grey	932 908-117

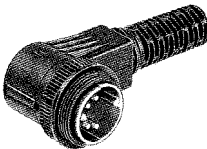
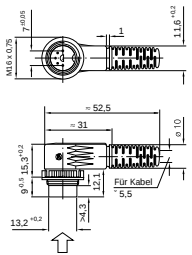
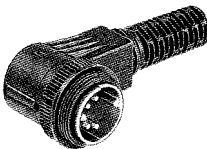
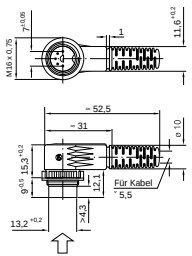
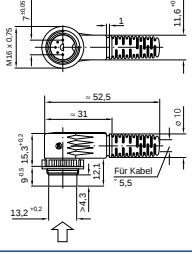
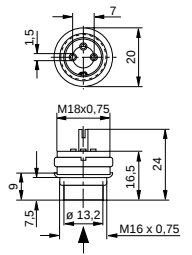
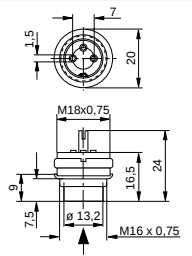


Connectors for consumer electronics



MAS/MAK-series

HiMedia

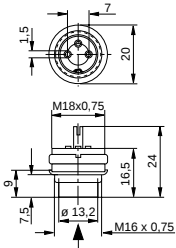
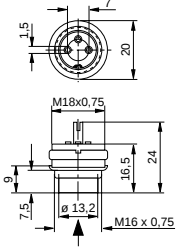
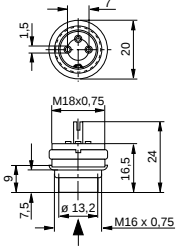
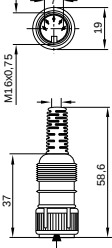
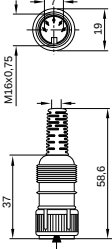
Type		Number of poles	Description	Colour	Order no.
 MAWI 5100 S		5	Angled connector with locking screw, solder connection	grey	932 909-117
 MAWI 6100		6	Angled connector with locking screw, solder connection	grey	932 910-117
 MAWI 8100 S		8	Angled connector with locking screw, solder connection	grey	932 912-117
 MASEI 3100		3	Panel-mounted connector with locking screw, solder connection	grey	930 296-517
 MASEI 4100		4	Panel-mounted connector with locking screw, solder connection	grey	930 955-517

Connectors for consumer electronics

MAS/MAK-series

HiMedia



Type		Number of poles	Description	Colour	Order no.
 MASEI 5100		5 	Panel-mounted connector with locking screw, solder connection	grey	930 956-517
 MASEI 5100 S		5 	Panel-mounted connector with locking screw, solder connection	grey	930 957-517
 MASEI 6100		6 	Panel-mounted connector with locking screw, solder connection	grey	930 958-517
 MAK 3100 S MAK 3100 S UM		3 	Coupling with locking screw, solder connection	grey UM grey	930 764-517 931 110-117
 MAK 4100 MAK 4100 UM		4 	Coupling with locking screw, solder connection	grey UM black UM grey	930 959-517 931 175-100 931 175-117

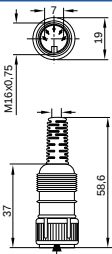
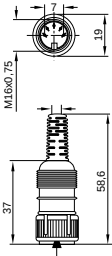
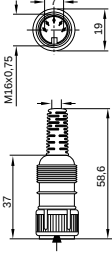
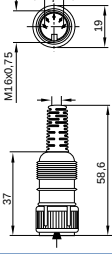
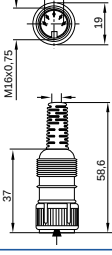


Connectors for consumer electronics



MAS/MAK-series

HiMedia

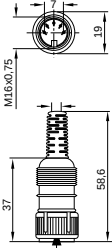
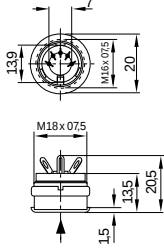
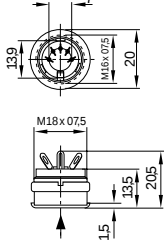
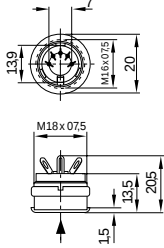
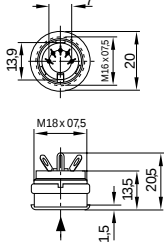
Type		Number of poles	Description	Colour	Order no.
 MAK 5100 MAK 5100 UM		5 	Coupling with locking screw, solder connection	grey UM black UM grey	930 960-517 931 176-100 931 176-117
 MAK 5100 S MAK 5100 S UM		5 	Coupling with locking screw, solder connection	grey UM black UM grey	930 961-517 931 177-100 931 177-117
 MAK 6100 MAK 6100 UM		6 	Coupling with locking screw, solder connection	grey UM grey	930 962-517 931 178-117
 MAK 7100 S MAK 7100 S UM		7 	Coupling with locking screw, solder connection	grey UM grey	930 682-517 930 690-117
 MAK 8100 S MAK 8100 S UM		8 	Coupling with locking screw, solder connection	grey UM black UM grey	930 538-517 931 127-100 931 127-117

Connectors for consumer electronics

MAS/MAK-series

HiMedia



Type		Number of poles	Description	Colour	Order no.
 MAK 8100 SN UM		8 	Coupling with locking screw, solder connection	UM black UM grey	931 765-100 931 765-117
 MAB 3100 S		3 	Panel-mounted socket with locking screw, solder connection, not shielded	black grey	930 303-500 930 303-517
 MAB 4100		4 	Panel-mounted socket with locking screw, solder connection, not shielded	grey	930 951-517
 MAB 5100		5 	Panel-mounted socket with locking screw, solder connection, not shielded	grey	930 952-517
 MAB 5100 S		5 	Panel-mounted socket with locking screw, solder connection, not shielded	black grey	930 953-500 930 953-517



HiMedia



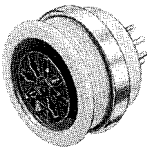
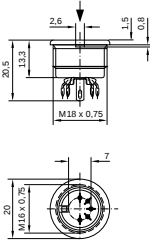
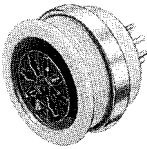
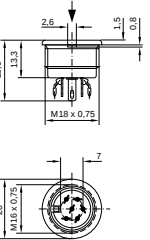
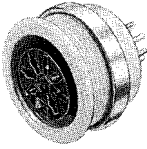
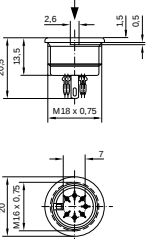
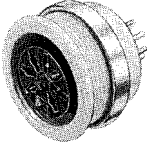
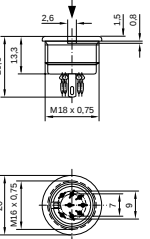
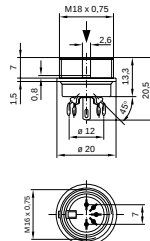
HIRSCHMANN

Connectors for consumer electronics

MAS/MAK-series

HiMedia



Type		Number of poles	Description	Colour	Order no.
 MAB 5100 SV		5 	Panel-mounted socket with locking screw, for print assembly, solder connection, not shielded	grey	932 201-517
 MAB 6100 V		6 	Panel-mounted socket with locking screw, for print assembly, solder connection, not shielded	grey	932 202-517
 MAB 7100 SV		7 	Panel-mounted socket with locking screw, for print assembly, solder connection, not shielded	grey	932 423-517
 MAB 8100 SV		8 	Panel-mounted socket with locking screw, for print assembly, solder connection, not shielded	grey	932 203-517
 MAB 4500 V		4 	Panel-mounted socket with locking screw, for installation in rear panels; max. 4 mm, solder connection, not shielded	grey	933 053-517

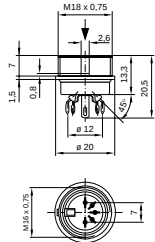
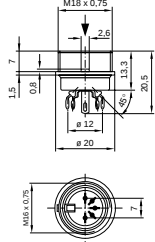
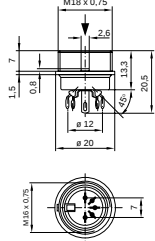


Connectors for consumer electronics



MAS/MAK-series

HiMedia

Type		Number of poles	Description	Colour	Order no.
 MAB 5500 SV		5 	Panel-mounted socket with locking screw, for installation in rear panels; max. 4 mm, solder connection, not shielded	black grey	932 885-500 932 885-517
 MAB 8500 SV		8 	Panel-mounted socket with locking screw, for installation in rear panels; max. 4 mm, solder connection, not shielded	grey	933 141-517
 MAB 8500 SN V		8 	Panel-mounted socket with locking screw, for installation in rear panels; max. 4 mm, solder connection, not shielded	grey	933 058-517



HIRSCHMANN



Connectors for consumer electronics

MIS/MIK-series

HiMedia

Product description

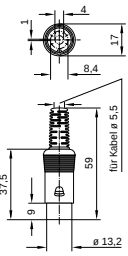
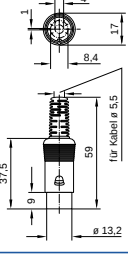
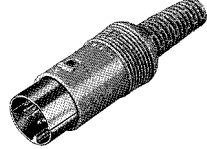
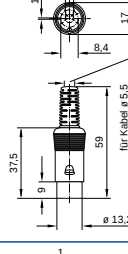
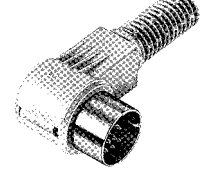
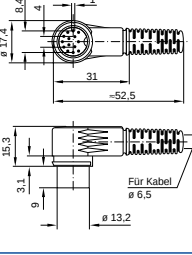
- Small, compact size, large number of poles
- Shielded miniature multiple connectors, 10- and 14-pole according to DIN EN 60 130-9
- For the use in electrical and electronic control of slide and film projectors, picture, film and television cameras as well as in measurement

and control systems and in medical technology

- Easy and quick assembly, contact plate of the 14-pole connector is made up of 3 solder levels. All cable connectors include clamping lugs to relieve the strain on the connected cable
- Are of the same size as the connectors in the MAS/MAK-series

Basic data

Operating voltage: 34 V AC / DC
 Operating current: max. 3 A AC / DC
 Protection class: IP 30
 Contact surface: tin-plated brass

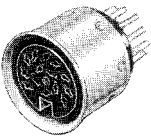
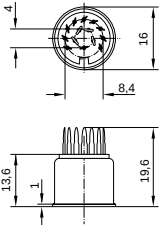
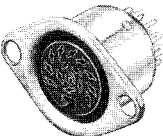
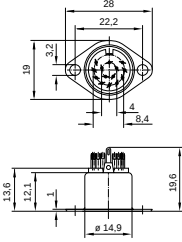
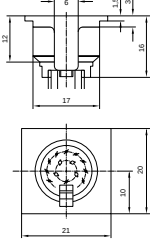
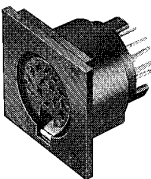
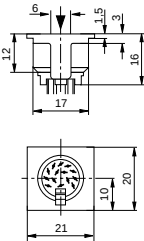
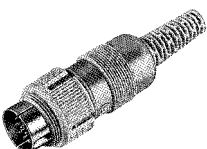
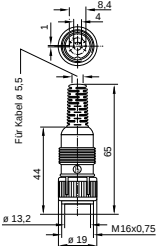
Type		Number of poles	Description	Order no.
 MIS 100		10	Connector with solder connection	931 867-517 grey
 MIS 100 UM		10	Connector with solder connection, not assembled	931 826-100 black 931 826-117 grey
 MIS 140		14	Connector with solder connection	932 222-500 black 932 222-517 grey
 MIWI 140		14	Angled connector with solder connection	932 943-100 black 932 943-117 grey

Connectors for consumer electronics

MIS/MIK-series

HiMedia



Type		Number of poles	Description	Order no.
 MIB 100 V		14	Panel-mounted socket with solder tabs, direction of insertion perpendicular to the circuit board, solder connection	932 255-500 black
 MIB 140		14	Panel-mounted socket with solder lugs, flange fixture, solder connection	931 842-500 black
 MIB 100 VA		10	Panel-mounted socket with solder tabs, direction of insertion perpendicular to the circuit board, solder connection, with switch, (closing contact) without shielding	932 315-500 black
 MIB 140 VA		14	Panel-mounted socket with solder tabs, direction of insertion perpendicular to the circuit board, solder connection, with switch, (closing contact) without shielding	932 428-500 black
 MIS 1400 AU		14	Connector with solder connection	932 219-517 grey

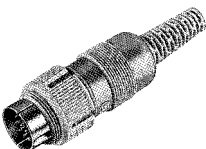
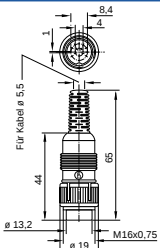
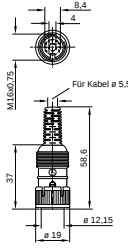
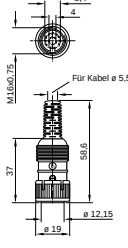
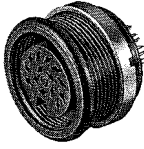
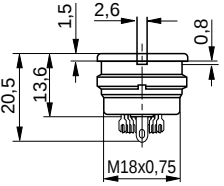


Connectors for consumer electronics



MIS/MIK-series

HiMedia

Type		Number of poles	Description	Order no.
 MIS 1400 AU UM		14	Connector with solder connection, not assembled	932 173-117 grey
 MIK 1400 AU		14	Coupling with solder connection	932 220-517 grey
 MIK 1400 AU UM		14	Coupling with solder connection, not assembled	932 174-100 black 932 174-117 grey
 MIB 1400		14	Panel-mounted socket with solder lugs, solder connection, without shielding!	932 221-500 black



Connectors for consumer electronics

TOS/TOK-series

HiMedia

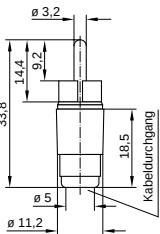
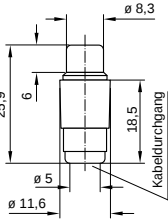
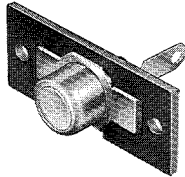
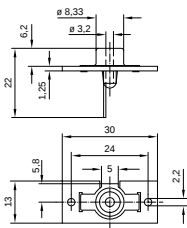
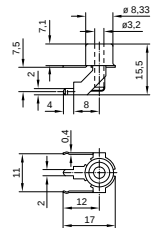
Product description

Coaxial connector (cinch).

- Coaxial pin assignment, reliable connection
- Connectors and couplings are made up of only two parts
- Solder connection up to 1 mm² and shielding

Applications:

- Connections in audio and video equipment and computers
- Connections of shielded cables in measurement, test and control instrumentation

Type		Number of poles	Description	Order no.
 TOST 10		2	Connector with solder connection, screwed-on insulating sleeve	931 903-100 black 931 903-101 red
 TOK 10		2	Coupling with solder connection, screwed-on insulating sleeve	931 904-100 black 931 904-101 red
 TOBU 2		2	Socket with solder connection	930 043-000
 TOBU 3		2	Socket for soldering into printed circuit boards	930 092-000



HIRSCHMANN



Notes



HIRSCHMANN

Germany

Richard Hirschmann GmbH & Co.
Automation and Network Solutions
Stuttgarter Straße 45-51
D-72654 Neckartenzlingen
Postfach 1649
D-72606 Nürtingen
Tel +49-7127-14-1479/-1480
Fax +49-7127-14-1495/-1496/-1502
E-mail: ans-hi-line@nt.hirschmann.de
<http://www.hirschmann.com>

Austria

Hirschmann Austria GmbH
Oberer Paspelsweg 6-8
A-6830 Rankweil-Brederis
Tel +43-55 22 307-0
Fax +43-55 22 307-555
E-mail: info@rw.hirschmann.at

Switzerland

Richard Hirschmann GmbH & Co.
Niederlassung Schweiz
Seestraße 16
CH-8610 Uster
Tel +41-1-905 82 82
Fax +41-1-905 82 89
E-mail: ans_ch@hirschmann.ch

France

Richard Hirschmann Electronique S.A.
24, rue du Fer à Cheval-Z.I.
F-95200 Sarcelles
Tel +33-1-39 33 02 80
Fax +33-1-39 90 59 68
E-mail: ans@hirschmann.fr

Great Britain

Richard Hirschmann Electronics UK Ltd.
St. Martins Way
St. Martins Business Centre
GB-Bedford MK42 0LF
Tel +44-1234-34 59 99
Fax +44-1234-35 22 22
E-mail: enquiry@hirschmann.co.uk

Netherlands

Richard Hirschmann
Electronica Nederland B.V.
Postbus 92
NL-1380 AB Weesp
Tel +31-2944-6 25 55
Fax +31-2944-8 06 39
E-mail: ans@hirschmann.nl

Spain

Hirschmann España S.A.
c/Trespaderne, 29
Edificio Barajas 1-2ª Plta.
E-28042 Madrid
Tel +34-91-74 61 7 30
Fax +34-91-74 61 7 35
E-mail:
hirschmann.fuente@mad.servicom.es

Hungary

Hirschmann-Hungária Kft.
Rokolya u. 1-13
H-1131 Budapest
Tel +36-1-1 49 41 99
Fax +36-1-1 29 84 53
E-mail: hirh.vez@nap-szam.hu

USA

Richard Hirschmann of America Inc.
30 Hook Mountain Road – Unit 201
Pine Brook, New Jersey 07058, USA
Tel +1-973-830 2000
Fax +1-973-830 1470
E-mail: ans@hirschmann-usa.com

Singapore

Hirschmann Electronics
(Asia Pacific) Pte. Ltd.
3 Toh Tuck Link
#04-01 German Districentre
Singapore 596228
Tel +65-4 63 58 55
Fax +65-4 63 57 55
E-mail: hirschmann.ap@pacific.net.sg