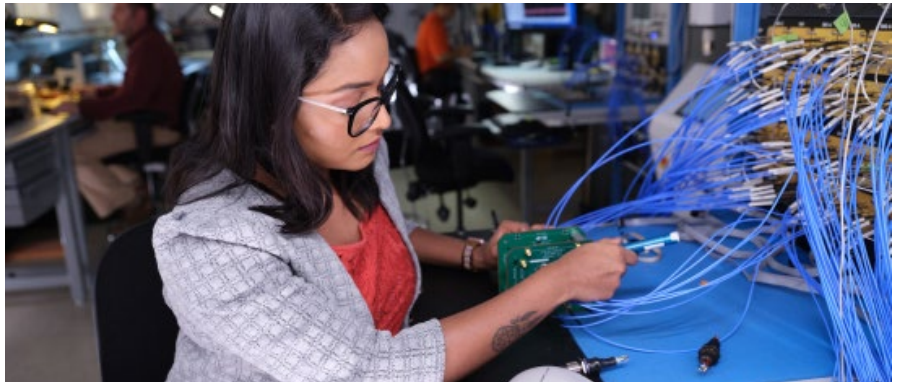




SENSOR/ACTUATOR TERMINAL BLOCKS

Screwclamp, Spring and ADO Sytem®, technology



Technologies presentation	2
Overview	3

Screw clamp technology

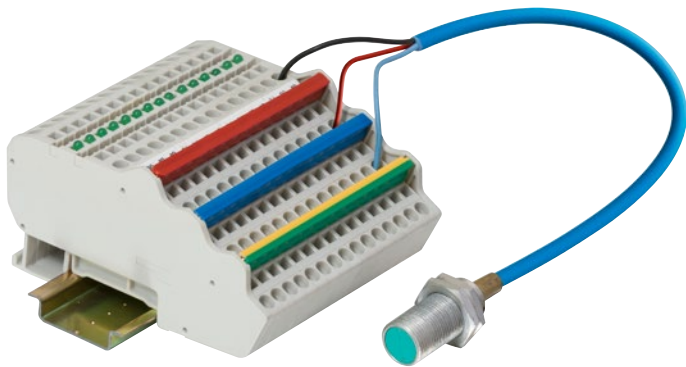
2 wire sensor		
2.5 mm ² / 12 AWG	D2.5/6.DP	4
3 wire sensor		
2.5 mm ² / 12 AWG	D2.5/6.DA	5
	D2.5/6.D	6
	D2.5/6.DL	7
	D2.5/6.DAL	8
Thermocouple		
	MTC6	9

Spring clamp technology

3 wire sensor		
1.5 mm ² / 16 AWG	D2.5/5.C3.L	10
	D2.5/5.C3.L.L	11
		With green led
4 wire sensor		
1.5 mm ² / 16 AWG	D2.5/5.C4.L	12
	D2.5/5.C4.L.L	13
		With green led

ADO-ADO technology

3 wire sensor		
1 mm ² / 20 AWG	D1/5.C3.ADO	14
	D1/5.C3.ADO.L	15
		With green led
4 wire sensor		
1 mm ² / 20 AWG	D1/5.C4.ADO	16
	D1/5.C4.ADO.L	17
		With green led



The smart choice for process automation applications

Process automation applications typically require the use of a large number of digital or analog signals and sensors. The space constraint is often an issue in regards to this large volume of signals to handle.

TE Connectivity sensor and actuator terminal blocks reduce the installation costs, speed the wiring and ease commissioning thanks to:

- Compact multi deck terminals blocks for 3 & 4 wire sensors
- Potentials distribution via jumper (positive, negative, ground)
- Signal indication via LED for circuit status indication.

Select from our large choice of solutions and technologies

Classic and compact screw clamp terminal blocks

The product family features very compact dimensions. It is the preferred choice for small junction boxes when panel height is a constraints. Our terminals are compatible with:

- 2 wire and 3 wire sensors
- PNP & NPN sensors.

Convenient and ergonomic spring clamp terminal blocks

The product family features popular spring technology particularly appreciated in process industry.

Our product family offers:

- Compatibility with 2, 3 and 4 wire sensors
- Compatibility with NPN and PNP sensors thanks to bidirectional LED indicators
- Color coded 34 poles plug-in jumpers adapted to popular PLC I/O cards configurations (8, 16, 32 channels).

ADO System® terminal blocks: experience the fastest and most reliable connection on the market

Our exclusive ADO System® combines speed on connection with top reliability of connection. Our product family offers:

- Compatibility with 2, 3 and 4 wire sensors
- Compatibility with NPN and PNP sensors thanks to bidirectional LED indicators
- Color coded 66 poles plug-in jumpers adapted to all PLC I/O cards configurations (8,16, 32 & 64 channels).

Universal thermocouple terminal block

This terminal block allows connection of all types of temperature thermocouple sensors. Its exclusive design allows thermocouple wire extension with no loss of signal integrity. Learn more in the related page of our catalog.



Screw clamp terminal block



Spring terminal block



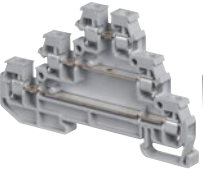
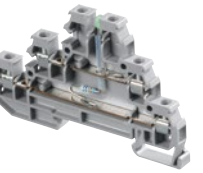
ADO System® terminal block



Thermocouple terminal block

15NC161167S0201

Screw clamp technology

													
		2 wire sensor				3 wire sensor						Thermocouple	
Section													
IEC	UL/CSA	D2.5/6.DP		D2.5/6.DA		D2.5/6.D		D2.5/6.DL		D2.5/6.DAL		MTC6	
2.5 mm ²	12 AWG	6 mm 0.236 in		6 mm 0.236 in		6 mm 0.236 in		6 mm 0.236 in		6 mm 0.236 in		6 mm 0.236 in	

Spring clamp technology

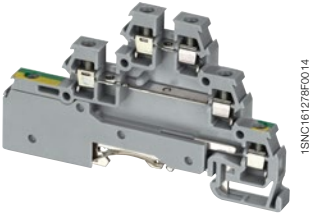
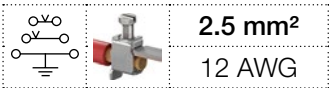
									
		3 wire sensor				4 wire sensor			
Section									
IEC	UL/CSA	D2.5/5.C3.L		D2.5/5.C3.L.L		D2.5/5.C4.L		D2.5/5.C4.L.L	
1.5 mm ²	16 AWG	5 mm 0.197 in		5 mm 0.197 in		5 mm 0.197 in		5 mm 0.197 in	

ADO - ADO technology

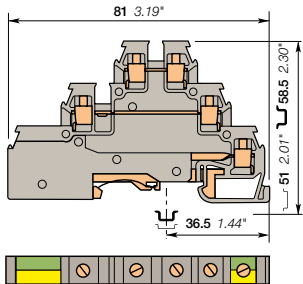
									
		3 wire sensor				4 wire sensor			
Section									
IEC	UL/CSA	D1/5.C3.ADO		D1/5.C3.ADO.L		D1/5.C4.ADO		D1/5.C4.ADO.L	
1 mm ²	20 AWG	5 mm 0.197 in		5 mm 0.197 in		5 mm 0.197 in		5 mm 0.197 in	

D2.5/6.DP screw clamp terminal blocks

Double deck + ground - 6 mm 0.236 in spacing



D2.5/6.DP



6 mm 0.236 in spacing

Description

- Save space with triple deck terminal blocks: 2 independent circuits in just 6 mm 0.236 in spacing,
- Adapted for 2 wires sensor/actuator with ground.

Ordering details

Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)
Feed-through + ground For 2 wires sensor with ground - 2 feed-through circuits - 1 ground circuit	Grey, Green-Yellow	D2.5/6.DPA1	1SNA115643R2700	25	16.00

Main technical data

Connecting capacity	IEC	UL	CSA
1 conductor per clamp			
Rigid: Solid/Stranded	0.2-2.5 mm²	20-12 AWG	22-14 AWG
Flexible without ferrule	0.22-2.5 mm²		
Flexible with insulated ferrule			
Gauge	A2		
Rated current / Rated cross section	22 A / 2.5 mm²	26 A / 12 AWG	20 A / 14 AWG
Rated short-time withstand current (1s)	300 A		
Rated voltage	380 V	300 V	300 V
Impulse withstand voltage			
Protection	IP20	NEMA 1	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		6 mm 0.24 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.4 - 0.6 N.m 3.5 - 5.3 lb.in

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.TE.com>

CE	RoHS	UL	CSA	Gost R															
CE	RoHS	UL	CSA	Gost R															

Accessories

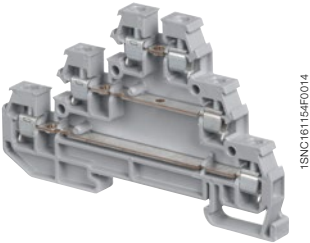
Description	Color	Type	Part Number	Pkg qty	Weight (1 pce)
1 End stops	Dark grey	BAZH1	1SNK900102R0000	20	24.00
2 End sections	Grey	FED3E	1SNA116771R2000	20	3.80
3 Jumper bars		BJD6	1SNA178024R2500	10	1.00
			1SNA178025R2600	10	2.00
			1SNA178026R2700	10	2.00
			1SNA178027R2000	10	3.00
			1SNA178032R2500	10	6.00
			1SNA178033R2600	5	12.00
4 Cross spacing jumpers		EL61	1SNA177812R1700	10	0.10
5 Terminal block markers	White	RC65	1SNA232000R0000	1	3.60

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

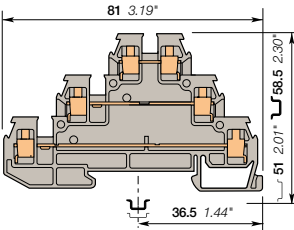
Technical data valid for copper conductors only.

D2.5/6.DA screw clamp terminal blocks
Triple deck - 6 mm 0.236 in spacing

Diagram showing wire connections and specifications: 2.5 mm², 12 AWG.



D2.5/6.DA



6 mm 0.236 in spacing

Description

- Save space with triple deck terminal blocks: 3 independent circuits connected in just 6 mm 0.236 in spacing,
- Adapted for 3 wires sensor/actuator.

Ordering details

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Rows for Feed-through configurations.

Main technical data

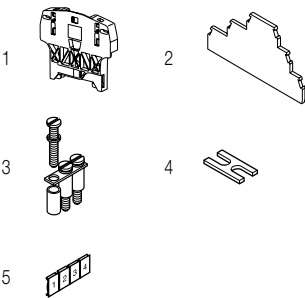
Table with 5 columns: Connecting capacity, IEC, UL, CSA. Rows for 1 conductor per clamp, Rated current, Rated short-time withstand current, Rated voltage, Impulse withstand voltage, Protection.

Mounting instructions

Table with 3 columns: Rail, Wire stripping length, Tool, Torque. Rows for mounting details.

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only, for more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

Table with 10 columns for certification and compliance: CE, RoHS, USR, CSA, Gost R, etc.



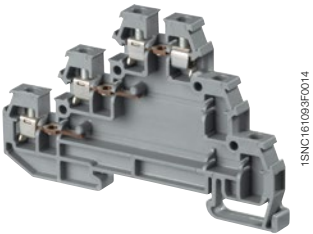
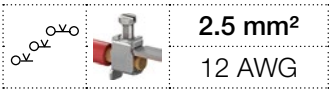
Accessories

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Rows for End stops, End sections, Jumper bars, Cross spacing jumpers, Terminal block markers.

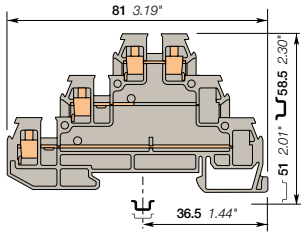
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

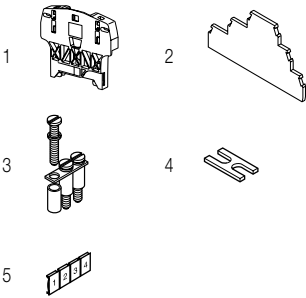
D2.5/6.D screw clamp terminal blocks
Sensors / Actuators - 6 mm 0.236 in spacing



D2.5/6.D



6 mm 0.236 in spacing



Description
Save space with triple deck terminal blocks: adapted for 3 wires sensor/actuator in just 6 mm 0.236 in spacing.

Table with 7 columns: Description, Color, Type, Part Number, Pkg, Weight. Row 1: Sensor, For 3 wire sensor with a jumper channel on each deck, Grey, D2.5/6.D, 1SNA115542R1200, 25 pce, 10.00 g.

Table with 2 main sections: Main technical data and Mounting instructions. Main technical data includes IEC, UL, and CSA ratings for 1 conductor per clamp. Mounting instructions include Rail, Wire stripping length, Tool, and Torque requirements.

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

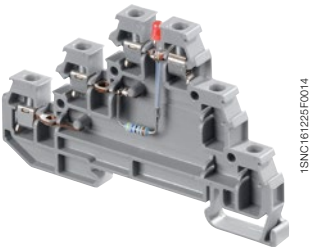
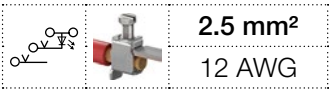
Table with 2 columns: CE, RoHS, and other certification logos.

Table with 7 columns: Description, Color, Type, Part Number, Pkg, Weight. Row 1: End stops, 10 mm, 0.394 in, Dark grey, BAZH1, 1SNK900102R0000, 20 pce, 24.00 g. Row 2: End sections, 3 mm, 0.118 in, Grey, FED3E, 1SNA116771R2000, 20 pce, 3.80 g. Row 3: Jumper bars, 2 poles, 22 A, BJD6, 1SNA178024R2500, 10 pce, 1.00 g. Row 4: Cross spacing jumpers, 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in, EL61, 1SNA178025R2600, 10 pce, 2.00 g. Row 5: Terminal block markers, Blank card, White, RC65, 1SNA178026R2700, 10 pce, 2.00 g. Row 6: Terminal block markers, Blank card, White, RC65, 1SNA178027R2000, 10 pce, 3.00 g. Row 7: Terminal block markers, Blank card, White, RC65, 1SNA178032R2500, 10 pce, 6.00 g. Row 8: Terminal block markers, Blank card, White, RC65, 1SNA178033R2600, 5 pce, 12.00 g. Row 9: Terminal block markers, Blank card, White, RC65, 1SNA177812R1700, 10 pce, 0.10 g. Row 10: Terminal block markers, Blank card, White, RC65, 1SNA232000R0000, 1 pce, 3.60 g.

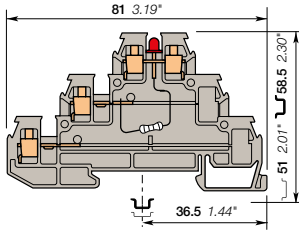
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

D2.5/6.D screw clamp terminal blocks
Sensors / Actuators - 6 mm 0.236 in spacing



D2.5/6.D



6 mm 0.236 in spacing

Description

- Save space with triple deck terminal blocks: adapted for 3 wires sensor/actuator in just 6 mm 0.236 in spacing,
- Quickly identify the signal circuit status thanks to the indicator.

Ordering details

Description	Color	Type	Part Number	Pkg pce	Weight (1 pce) g
Sensor	Grey	D2.5/6.DL	1SNA115537R0500	25	10.00

Main technical data

	IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded Flexible without ferrule Flexible with insulated ferrule Gauge	20-12 AWG	22-14 AWG
	0.2-2.5 mm² 0.22-2.5 mm² A2		
Rated current / Rated cross section	22 A / 2.5 mm²	26 A / 12 AWG	20 A / 14 AWG
Rated short-time withstand current (1s)	300 A		
Rated voltage	380 V	300 V	300 V
Impulse withstand voltage			
Protection	IP20	NEMA 1	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		6 mm 0.24 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.4 - 0.6 Nm 3.5 - 5.3 lb.in

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.TE.com>

CE	RoHS	USR	CSA	Gost R															
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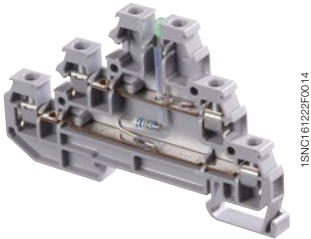
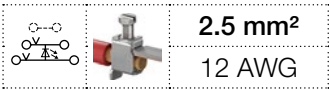
Accessories

Description	Color	Type	Part Number	Pkg pce	Weight (1 pce) g
1 End stops	Dark grey	BAZH1	1SNK900102R0000	20	24.00
2 End sections	Grey	FED3E	1SNA116771R2000	20	3.80
3 Jumper bars		BJD6	1SNA178024R2500	10	1.00
			1SNA178025R2600	10	2.00
			1SNA178026R2700	10	2.00
			1SNA178027R2000	10	3.00
			1SNA178032R2500	10	6.00
			1SNA178033R2600	5	12.00
4 Cross spacing jumpers		EL61	1SNA177812R1700	10	0.10
5 Terminal block markers	White	RC65	1SNA232000R0000	1	3.60

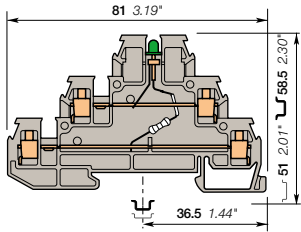
Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

D2.5/6.DAL screw clamp terminal blocks

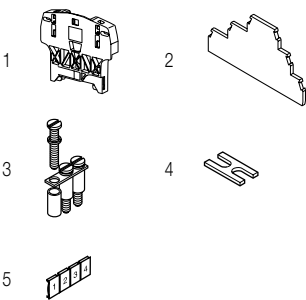
Sensors / Actuators - 6 mm 0.236 in spacing



D2.5/6.DAL



6 mm 0.236 in spacing



Description

- Save space with triple deck terminal blocks: 2 independent circuits connected in just 6 mm 0.236 in spacing,
- Adapted for 3 wires sensor/actuator,
- Quickly identify the signal circuit status thanks to the indicator.

Ordering details

Description		Color	Type	Part Number	Pkg	Weight
Sensor		Grey	D2.5/6.DAL2	1SNA115547R1700	25 pce	(1 pce) 9 12.00
		Power block with green LED 24 V DC for 3 wires sensor and a jumper bar				

Main technical data

		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.2-2.5 mm²	20-12 AWG	22-14 AWG
	Flexible without ferrule	0.22-2.5 mm²		
	Flexible with insulated ferrule			
	Gauge	A2		
Rated current / Rated cross section		22 A / 2.5 mm²	26 A / 12 AWG	20 A / 14 AWG
Rated short-time withstand current (1s)		300 A	300 V	300 V
Rated voltage		380 V	300 V	300 V
Impulse withstand voltage				
Protection		IP20	NEMA 1	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		6 mm 0.24 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.4 - 0.6 Nm 3.5 - 5.3 lb.in

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.TE.com>

CE	RoHS	UL	CSA	Gost R															
CE	RoHS	UL	CSA	Gost R															

Accessories

Description			Color	Type	Part Number	Pkg	Weight
1 End stops			Dark grey	BAZH1	1SNK900102R0000	20 pce	(1 pce) 9 24.00
2 End sections			Grey	FED3E	1SNA116771R2000	20	3.80
3 Jumper bars	2 poles	22 A		BJD6	1SNA178024R2500	10	1.00
	3 poles				1SNA178025R2600	10	2.00
	4 poles				1SNA178026R2700	10	2.00
	5 poles				1SNA178027R2000	10	3.00
	10 poles				1SNA178032R2500	10	6.00
	20 poles				1SNA178033R2600	5	12.00
4 Cross spacing jumpers				EL61	1SNA177812R1700	10	0.10
5 Terminal block markers			White	RC65	1SNA232000R0000	1	3.60

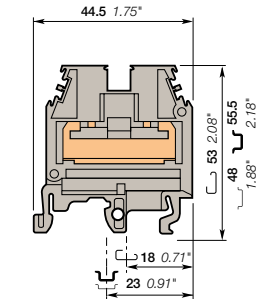
Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

MTC6 thermocouple terminal blocks
Screw clamp - 6 mm 0.236 in spacing



MTC6



6 mm 0.236 in spacing

Description

- Universal terminal block adapted to all type of thermocouples,
- Allow thermocouple wire extention with no loss of signal integrity,
- Compatible with solid type thermocouple wires,
- Reduced inventory: only one part number needed for all configurations.

Ordering details

Table with 7 columns: Description, Color, Type, Part Number, Pkg, Weight. Rows for Feed-through with MTC6 and MTC6.Ex types.

Main technical data

Table with 2 columns: Parameter, Value. Rows for Wire size, Rated voltage, and Rated voltage Ex e (MTC6.Ex).

Mounting instructions

Table with 3 columns: Parameter, Diagram, Value. Rows for Rail, Wire stripping length, and Torque.

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only.

Table with 10 columns for RoHS and Gost R compliance status.

Notes

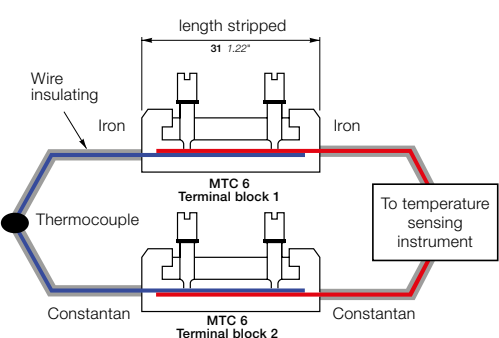


Figure 1: MTC6 with shield connector

Universal terminal block

Other thermocouple terminal blocks are available with hardware (screws, clamps and connecting bar) which match the thermocouple material being used. This requires inventory of many different terminal block types. MTC6 terminal block adapts to all thermocouple material. This "neutral" method of connection limits the introduction of foreign materials to an insignificant level.

Thermocouple shield wire connector bar

The MTC6 can be field or factory equipped with a shield connector bar (see figure 2). This bar, made of treated brass, fits in the lower part of the terminal block. It ensures the continuity of the thermocouple wire shield through the terminal block or to the ground with no additional spacing.

Figure 2

Accessories

Table with 7 columns: Description, Color, Type, Part Number, Pkg, Weight. Rows for End sections and Shield connectors.

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

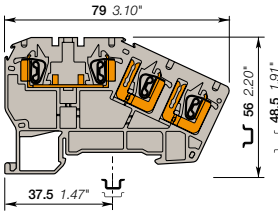
Technical data valid for copper conductors only.

D2.5/5.C3.L spring terminal blocks
Sensors / Actuators - 5 mm 0.197 in spacing

Table with 2 columns: Wire gauge and Area. Row 1: 16 AWG, 1.5 mm².



D2.5/5.C3.L



5 mm 0.197 in spacing

Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

Ordering details

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Row 1: Sensor, 3 wires, Grey, D2.5/5.C3.L, 1SNA290350R2100, 50 pce, 11.00 (1 pce) 9.

Main technical data

Table with 4 columns: IEC, UL, CSA, and a central column for conductor types. Rows include: 1 conductor per clamp, Rated current / Rated cross section, Rated short-time withstand current, Rated voltage, Impulse withstand voltage, and Protection.

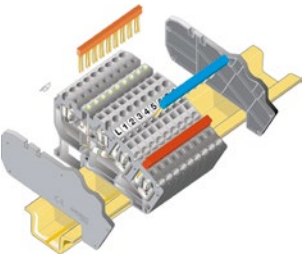
Mounting instructions

Table with 3 columns: Rail, Wire stripping length, and Tool. Rows show: Rail (TH 35-7.5, TH 35-15), Wire stripping length (9.5 mm, 0.37 in), and Tool (Flat screwdriver, Ø 3.5 mm, Ø 0.138 in).

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

Table with 2 columns: RoHS, CSA, and Gost R. Row 1: RoHS, CSA, Gost R.

Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.

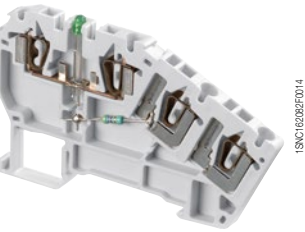
Accessories

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Rows include: End stops, End section kits, Jumper bars, Lateral jumper bars, and Terminal block markers.

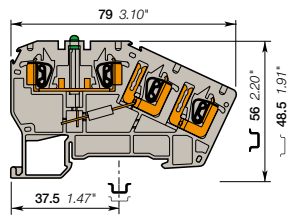
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

D2.5/5.C3.L spring terminal blocks
Sensors / Actuators - 5 mm 0.197 in spacing

Table with 2 columns: Wire gauge and Area. Values: 16 AWG, 1.5 mm²



D2.5/5.C3.L



5 mm 0.197 in spacing

Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Quickly identify the circuit status thanks to the indicator.

Ordering details

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Row 1: Sensor, 3 wires with green bi-directional LED 24 V DC, Grey, D2.5/5.C3.L.L, 1SNA290352R1700, 50 pce, 11.00 g

Main technical data

Table with 4 columns: IEC, UL, CSA, and a central column for conductor types. Rows include: 1 conductor per clamp, Rated current / Rated cross section, Rated short-time withstand current, Rated voltage, Impulse withstand voltage, Protection.

Mounting instructions

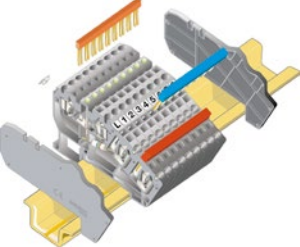
Table with 3 columns: Rail, Wire stripping length, Tool. Rows include: Rail (TH 35-7.5, TH 35-15), Wire stripping length (9.5 mm, 0.37 in), Tool (Flat screwdriver, Ø 3.5 mm, Ø 0.138 in).

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

Table with 2 columns: RoHS, CSA, Gost R. Row 1: RoHS, CSA, Gost R

Notes

To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.



Accessories

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Rows include: End stops, End section kits, Jumper bars, Lateral jumper bars, Terminal block markers.

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

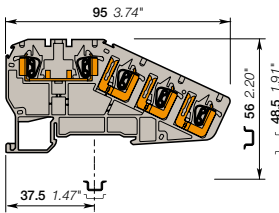
Technical data valid for copper conductors only.

D2.5/5.C4.L spring terminal blocks
Sensors / Actuators - 5 mm 0.197 in spacing

Diagram showing wire gauge and cross-section: 1.5 mm², 16 AWG.



D2.5/5.C4.L



5 mm 0.197 in spacing

Description

- Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

Ordering details

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Row 1: Sensor, 4 wires sensor, Grey, D2.5/5.C4.L, 1SNA290354R1100, 50 pce, 13.00 (1 pce) 9.

Main technical data

Table with 4 columns: IEC, UL, CSA, and a central column for conductor types. Rows include: 1 conductor per clamp, Rated current / Rated cross section, Rated short-time withstand current, Rated voltage, Impulse withstand voltage, Protection.

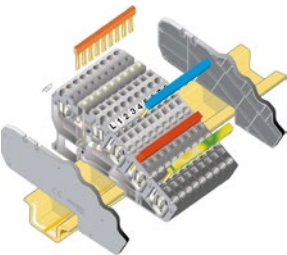
Mounting instructions

Table with 3 columns: Rail, Wire stripping length, Tool. Rows show diagrams for rail type, wire stripping length (9.5 mm), and tool (Flat screwdriver).

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only.

Table with 2 columns: RoHS, CSA, Gost R. Row 1: RoHS, CSA, Gost R.

Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.

Accessories

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Rows include: 1 End stops, 2 End section kits, 3 Jumper bars, 4 Lateral jumper bars, 5 Terminal block markers.

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

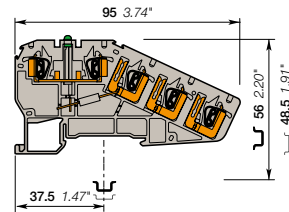
Technical data valid for copper conductors only.

D2.5/5.C4.L spring terminal blocks
Sensors / Actuators - 5 mm 0.197 in spacing

Table with 2 columns: Diagrams and Specifications. Specifications include 1.5 mm² and 16 AWG.



D2.5/5.C4.L



5 mm 0.197 in spacing

Description

- Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Quickly identify the circuit status thanks to the indicator.

Ordering details

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Row 1: Sensor, 4 wires with bidirectional green LED 24 V DC, Grey, D2.5/5.C4.L.L, 1SNA290356R1300, 50 pce, 13.00 g.

Main technical data

Table with 4 columns: IEC, UL, CSA, and a central column for conductor types. Rows include 1 conductor per clamp, Rated current / Rated cross section, Rated short-time withstand current, Rated voltage, Impulse withstand voltage, and Protection.

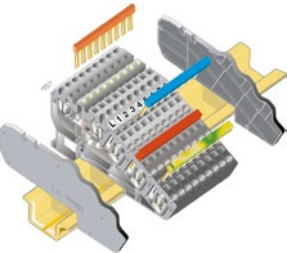
Mounting instructions

Table with 3 columns: Rail, Wire stripping length, Tool. Includes diagrams for rail type (TH 35-7.5, TH 35-15), wire stripping (9.5 mm, 0.37 in), and tool (Flat screwdriver, Ø 3.5 mm, Ø 0.138 in).

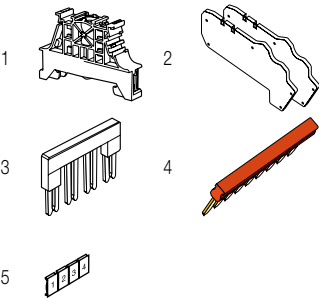
The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

Table with 10 columns for RoHS, CSA, Gost R, and other certification marks.

Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.



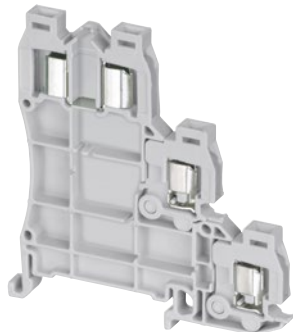
Accessories

Table with 6 columns: Description, Color, Type, Part Number, Pkg, Weight. Rows include End stops, End section kits, Jumper bars, Lateral jumper bars, and Terminal block markers.

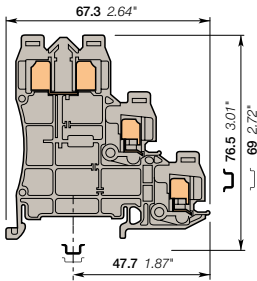
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

D1/5.C3.ADO IDC terminal blocks
Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing



D1/5.C3.ADO



5 mm 0.197 in spacing

Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the TE Connectivity ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

Ordering details

Description	Color	Type	Part Number	Pkg	Weight
Sensor For 3 wire sensor	Grey	D1/5.C3.ADO	1SNA399689R1300	pce 50	(1 pce) 9.00 g

Main technical data

	IEC	UL	CSA
ADO	Rigid: Solid/Stranded Flexible without ferrule Flexible with insulated ferrule Gauge	0.2-1 mm² 0.22-1 mm²	24-20 AWG
Screw clamp	Rigid: Solid/Stranded Flexible without ferrule Flexible with insulated ferrule Gauge		
Rated current / Rated cross section	13.5 A / 1 mm²		12 A / 20 AWG
Rated short-time withstand current (1s)	120 A		
Rated voltage	250 V		600 V
Impulse withstand voltage	8000 V		
Protection	IP20	NEMA 1	

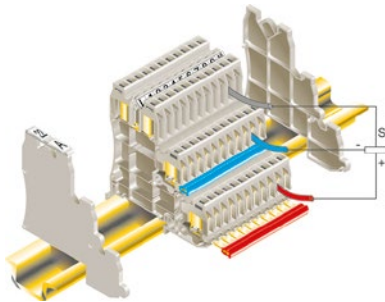
Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		
Tool		
Torque		

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.TE.com>

RoHS	cCSAus	Gost R
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Notes



Accessories

Description	Color	Type	Part Number	Pkg	Weight
1 End stops	Dark grey	BAM4	1SNK900001R0000	pce 50	(1 pce) 14.00 g
		BAZ1	1SNK900002R0000	50	5.30
2 End section kits	Grey	FED5.C3.ADO	1SNA399678R2700	20	10.00
3 Lateral jumper bars 10 poles	Red	PC52.10	1SNA399683R0500	10	5.00
	Blue		1SNA399684R0600	10	5.00
	Green-yellow		1SNA399685R0700	10	5.00
	Red	PC52.66	1SNA399707R1500	5	30.00
	Blue		1SNA399708R2600	5	30.00
	Green-yellow		1SNA399709R2700	5	30.00
4 Tools		OUPAD	1SNA178944R0400	1	205.00
		OUMAD	1SNA179466R0600	1	29.00
5 Terminal block markers	White	RC55	1SNA230000R1200	1	2.90

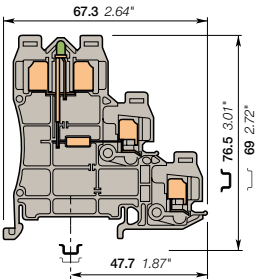
Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

D1/5.C3.ADO IDC terminal blocks
Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing



D1/5.C3.ADO



5 mm 0.197 in spacing

Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the TE Connectivity ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

Ordering details

Description	Color	Type	Part Number	Pkg	Weight
Sensor	Grey	D1/5.C3.ADO.L	1SNA399690R1000	50	10.00

Main technical data

	IEC	UL	CSA
ADO	Rigid: Solid/Stranded Flexible without ferrule Flexible with insulated ferrule	0.2-1 mm² 0.22-1 mm²	24-20 AWG
Screw clamp	Rigid: Solid/Stranded Flexible without ferrule Flexible with insulated ferrule		
Rated current / Rated cross section	13.5 A / 1 mm²		12 A / 20 AWG
Rated short-time withstand current (1s)	120 A		
Rated voltage	250 V		600 V
Impulse withstand voltage	8000 V		
Protection	IP20	NEMA 1	

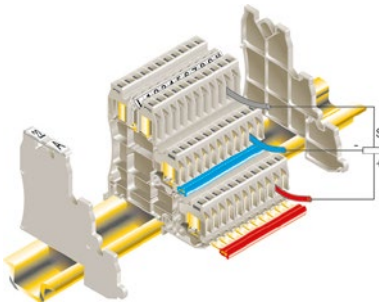
Mounting instructions

Rail	TH 35-7.5, TH 35-15
Wire stripping length	
Tool	
Torque	

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

RoHS	cCSAus	Gost R
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Notes



Accessories

Description	Color	Type	Part Number	Pkg	Weight
1 End stops	Dark grey	BAM4	1SNK900001R0000	50	14.00
2 End section kits	Grey	BAZ1	1SNK900002R0000	50	5.30
3 Lateral jumper bars 10 poles	Red	PC52.10	1SNA399683R0500	10	5.00
	Blue		1SNA399684R0600	10	5.00
	Green-yellow		1SNA399685R0700	10	5.00
66 poles	Red	PC52.66	1SNA399707R1500	5	30.00
	Blue		1SNA399708R2600	5	30.00
	Green-yellow		1SNA399709R2700	5	30.00
4 Tools		OUPAD	1SNA178944R0400	1	205.00
		OUMAD	1SNA179466R0600	1	29.00
5 Terminal block markers	White	RC55	1SNA230000R1200	1	2.90

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

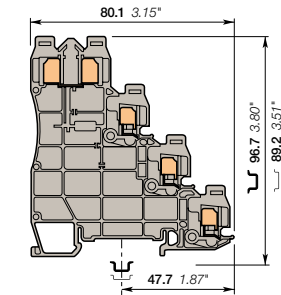
Technical data valid for copper conductors only.

D1/5.C4.ADO IDC terminal blocks

Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing



D1/5.C4.ADO



5 mm 0.197 in spacing

Description

- Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the TE Connectivity ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

Ordering details

Description	Color	Type	Part Number	Pkg	Weight
Sensor	For 4 wire sensor	Grey  D1/5.C4.ADO	1SNA399692R0600	pce 50	(1 pce) 9

Main technical data

		IEC	UL	CSA
ADO	Rigid: Solid/Stranded Flexible without ferrule	0.2-1 mm² 0.22-1 mm²		24-20 AWG
Screw clamp	Rigid: Solid/Stranded Flexible without ferrule Flexible with insulated ferrule Gauge			
Rated current / Rated cross section		13.5 A / 1 mm²		12 A / 20 AWG
Rated short-time withstand current (1s)		120 A		
Rated voltage		250 V		600 V
Impulse withstand voltage		8000 V		
Protection		IP20	NEMA 1	

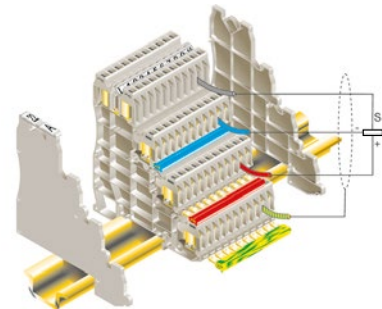
Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		
Tool		
Torque		

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.TE.com>

 RoHS	 cCSAus	 Gost R
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Notes



Accessories

Description	Color	Type	Part Number	Pkg	Weight
1 End stops 10 mm 0.394 in	Dark grey 	BAZH1	1SNK900102R0000	20	(1 pce) 24.00
2 End section kits	Grey 	FED5.C4.ADO	1SNA399679R2000	10	10.00
3 Lateral jumper bars 10 poles	Red 	PC52.10	1SNA399683R0500	10	5.00
	Blue 		1SNA399684R0600	10	5.00
	Green-yellow 		1SNA399685R0700	10	5.00
	Red 	PC52.66	1SNA399707R1500	5	30.00
	Blue 		1SNA399708R2600	5	30.00
	Green-yellow 		1SNA399709R2700	5	30.00
4 Tools					
		Semi automatic tool	OUPAD	1	205.00
		Hand tool	OUMAD	1	29.00
5 Terminal block markers	White 	Blank card	RC55	1	2.90

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing



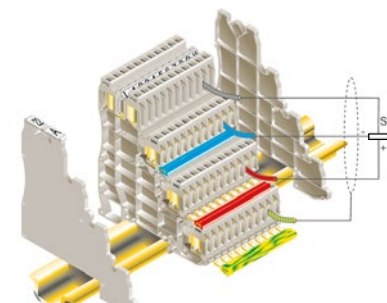
SNC163138F0014

- Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the TE Connectivity ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

Description		Color	Type	Part Number	Pkg pce	Weight (1 pce) g
Sensor	For 4 wire sensor with green bidirectional LED 24 VDC	Grey	D1/5.C4.ADO.L	1SNA399693R0700	50	

		IEC	UL	CSA	Rail		TH 35-7.5, TH 35-15
ADO	Rigid: Solid/Stranded	0.2-1 mm²			Wire stripping length		
	Flexible without ferrule	0.22-1 mm²					
Screw clamp	Rigid: Solid/Stranded				Tool		
	Flexible without ferrule						
	Flexible with insulated ferrule						
	Gauge						
Rated current / Rated cross section		13.5 A / 1 mm²			Torque		
Rated short-time withstand current (1s)		120 A					
Rated voltage		250 V					
Impulse withstand voltage		8000 V					
Protection		IP20	NEMA 1				

The connecting capacity data for one Rigid, Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.TE.com>



Description				Color	Type	Part Number	Pkg	Weight
							pce	(1 pce) g
1	End stops	10 mm	0.394 in	Dark grey	BAZH1	1SNK900102R0000	20	24.00
2	End section kits			Grey	FED5.C4.ADO	1SNA399679R2000	10	10.00
3	Lateral jumper bars	10 poles		Red	PC52.10	1SNA399683R0500	10	5.00
				Blue		1SNA399684R0600	10	5.00
				Green-yellow		1SNA399685R0700	10	5.00
		66 poles		Red	PC52.66	1SNA399707R1500	5	30.00
				Blue		1SNA399708R2600	5	30.00
				Green-yellow		1SNA399709R2700	5	30.00
4	Tools	Semi automatic tool			OUPAD	1SNA178944R0400	1	205.00
		Hand tool			OUMAD	1SNA179466R0600	1	29.00
5	Terminal block markers	Blank card		White	PC55	1SNA230000R1200	1	2.90

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

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12/22

BROCHURE

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