

IE-BI-RJ45-FJ-B**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

FrontCom® Vario integrates multiple functions in only one single frame. The system is easy to install and you can select from a wide range of data, signal and power modules. In addition to being extremely compact, FrontCom® Vario offers a number of unique product features that will make your project planning and work activities secure, fast and future-proof. Furthermore, the FrontCom® Vario system has an attractive housing design that, by the way, offers highest impact-resistance and fully meets the requirements of IP 65 protection class.

General ordering data

Version	RJ45 insert socket, Connector for base, TIA-568B
Order No.	1963840000
Type	IE-BI-RJ45-FJ-B
GTIN (EAN)	4032248651894
Qty.	10 pc(s).

Creation date September 25, 2022 2:32:24 AM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight	2.5 g
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Temperatures

Operating temperature	-40 °C...70 °C	Humidity	0...93 % rel. humidity
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General data

Insert type	Insert data SteadyTec	Product type	RJ45 insert socket
Protection degree	IP67 with housing		

General data

Connection 1	RJ45	Connection 2	IDC
Description of article	Connector for base	Wiring	TIA-568B
Colour	Miscellaneous	Shock resistance acc. to IEC 60512-4	250 ms ⁻²
Vibration resistance acc. to IEC 60512-4	50 ms ⁻² sinusoidal (9...500 Hz)	Humidity	0...93 % rel. humidity
Speed	10 GBit/s	Insulation cross-section, min.	0.85
Insulation cross-section, max.	1.6 mm	Category	Cat.6A / Class E _A (ISO/IEC 11801 2010)
Contact material	Spring steel, Ni 1.2 µm	Connection diameter, solid	0.4...0.64
Conductor connection cross-section, solid (AWG)	AWG 24...AWG 22	Connection diameter, flexible	0.48...0.76 mm
Conductor connection cross-section, flexible (AWG)	AWG 26...AWG 22	Shielding	360°; all-round enclosure
Protection degree	IP67 with housing	Ability to reconnect	≥ 10 cycles for AWG 23-26, ≥ 4 cycles for AWG 22

Electrical properties

Contact resistance	≤ 20 mΩ	Current-carrying capacity at 50 °C	1 A
Dielectric strength, contact / contact	≥ 1000 V DC	Dielectric strength, contact / shield	≥ 1500 V DC
PoE / PoE+	conforming to IEEE 802.3af		

General standards

Application-specific communication cable facilities	PROFINET installation instructions	Certificate No. (DNVGL)	TAA000022B
Certificate no. (cULus)	E316369	Connector standard	IEC 60603-7-51
IP protection classes	IEC 60529	UL standard for communication accessories	UL 1863

Standards

Connector standard	Generic communication cable facilities	ANSI / TIA / EIA-568-B.2-10, DIN EN 61918 Draft 02.2007, EN 50173-1:2007, ISO / IEC 11801:2002, ISO / IEC 24702:2006
IEC 60603-7-51		
IP protection classes	UL standard for communication accessories	UL 1863
IEC 60529		

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Classifications

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC001121	ECLASS 9.0	27-44-03-90
ECLASS 9.1	27-44-03-90	ECLASS 10.0	27-44-03-90
ECLASS 11.0	27-44-03-90	ECLASS 12.0	27-44-03-90

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E316369

Downloads

Approval/Certificate/Document of Conformity	GOST Approval GL FrontCom ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel ISO/IEC EN and TIA/EIA Screened Class E Category 6, 3 connector permanent link ISO/IEC EN and TIA/EIA Screened Class E Category 6, 4 connector channel ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 2 connector channel CC-Link IE-BI-RJ45-FJ UL Approval Compliance Statement Screened Category 6 ISO/IEC EN and TIA/EIA Connecting Hardware
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Designation key / Type key Manual
Catalogues	Catalogues in PDF-format
Brochures	MB FREECONCONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN FL FIELDWIRING EN PI PROFINET CABLING EN

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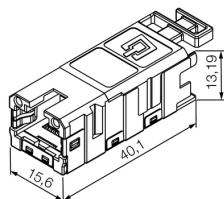
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Drawings

Dimensioned drawing



Printing

