

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).

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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 60512-6-3	250 ms ⁻²
Vibration resistance acc. to IEC 60512-6-4	50 ms ⁻² sinusoidal (9...500 Hz)	Humidity	0...93 % rel. humidity
Housing main material	Zinc diecast	Insulation cross-section, min.	0.85 mm
Insulation cross-section, max.	1.6 mm	Category	Cat.6A / Class EA (ISO/IEC 11801 2010)
Contact material	Spring steel, Ni 1.2 µm	Contact surface	Gold over Nickel, Au ≥ 0.8 µm
Connection diameter, solid	0.4...0.64 mm	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, FS 2.8 Ground connection for equipotential bonding	Protection degree	IP67 with housing
Plugging cycles	750	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 AC/DC	Dielectric strength, contact / shield	≥ 1500 V AC/DC
Insulation strength	500 MΩ	PoE / PoE+	conforming to IEEE 802.3bt

General standards

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

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Classifications

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC001121	ETIM 9.0	EC001121
ETIM 10.0	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
ECLASS 13.0	27-44-03-90	ECLASS 14.0	27-44-03-90
ECLASS 15.0	27-44-03-90		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Important note

Product information	RJ45 inserts for plug-in connectors ver.1 / 4 / 5 / 14, HDC and junction boxes IE-OM...; IE-OP...; IE-CC...
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Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E316369

Downloads

Approval/Certificate/Document of Conformity	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
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Designation key / Type key Manual
Catalogues	Catalogues in PDF-format
Brochures	MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN FL FIELDWIRING EN PI PROFINET CABLING EN

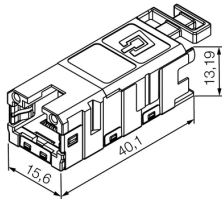
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Drawings

Dimensioned drawing



Printing

