

**Industrial Ethernet
IE-BI-RJ45-FJ-A****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

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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

Type	IE-BI-RJ45-FJ-A
Order No.	1962850000
Version	RJ45 insert socket, Connector for base, TIA-568A
GTIN (EAN)	4032248645053
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Net weight	16 g
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Temperatures

Humidity	0...93 % rel. humidity	Operating temperature, max.	70 °C
Operating temperature, min.	-40 °C	Operating temperature	-40 °C...70 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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-568A
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
Housing main material	Zinc diecast	Speed	10 GBit/s
Insulation cross-section, min.	0.85 mm	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
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
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 DC	Dielectric strength, contact / shield	≥ 1500 V DC
Insulation strength	500 MΩ	PoE / PoE+	conforming to IEEE 802.3af

General standards

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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Technical data**Classifications**

ETIM 6.0	EC001121	ETIM 7.0	EC001121
eClass 9.0	27-44-03-90	eClass 9.1	27-44-03-90
eClass 10.0	27-44-03-90	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	GOST Approval 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 DUXR.E316369 CC-Link IE-BI-RJ45-FJ Compliance Statement Screened Category 6 ISO/IEC EN and TIA/EIA Connecting Hardware
Brochure/Catalogue	CAT 9 IETH 18/19 EN CAT 3 HDC 17/18 EN MB FREECONCONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Designation key / Type key Manual

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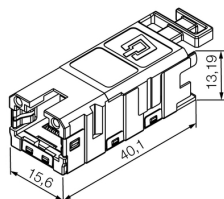
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Drawings

Dimensioned drawing



Printing

