

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, PROFINET
Order No.	<a href="#">1963830000</a>
Type	IE-BI-RJ45-FJ-P
GTIN (EAN)	4032248646159
Qty.	10 pc(s).

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## Technical data

## Dimensions and weights

Net weight	16 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	PROFINET
Colour	Miscellaneous	Shock resistance acc. to IEC 60512-6-3	250 ms <sup>-2</sup>
Vibration resistance acc. to IEC 60512-6-4	50 ms <sup>-2</sup> 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.5 (ISO/IEC 11801)
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

## Classifications

ETIM 6.0	EC001121	ETIM 7.0	EC001121
ETIM 8.0	EC001121	ETIM 9.0	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

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## 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



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

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">GOST Approval</a> <a href="#">GL_FrontCom</a> <a href="#">ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 4 connector channel</a> <a href="#">ISO/IEC EN and TIA/EIA Screened Class E Category 6, 3 connector permanent link</a> <a href="#">ISO/IEC EN and TIA/EIA Screened Class E Category 6, 4 connector channel</a> <a href="#">ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 2 connector channel</a> <a href="#">DUXR.E316369</a> <a href="#">CC-Link IE-BI-RJ45-FJ</a> <a href="#">Compliance Statement Screened Category 6 ISO/IEC EN and TIA/EIA Connecting Hardware</a> <a href="#">PROFINET Manufacturer's Declaration</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">Zuken E3.S</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a> <a href="#">Designation key / Type key</a> <a href="#">Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">MB FREECONTACT EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>

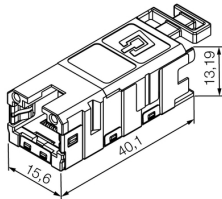
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## Drawings

### Dimensioned drawing



### Printing

