

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

Postfach 3030

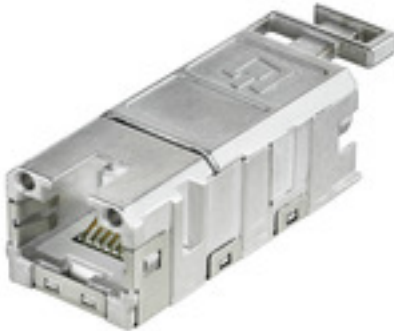
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FrontCom® Vario integrates multiple functions in only one single frame. The system is easy to install and you can select from a wide range of data, signal and power modules. In addition to being extremely compact, FrontCom® Vario offers a number of 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**

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	www.weidmueller.com
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## Temperatures

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

## 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 60512-4	250 ms <sup>-2</sup>
Vibration resistance acc. to IEC 60512-4	50 ms <sup>-2</sup> sinusoidal (9...500 Hz)	Humidity	0...93 % rel. humidity
Housing main material	Zinc diecast	Speed	100 MBit/s
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
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

Application-specific communication cable facilities	PROFINET installation instructions	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	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

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Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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## Technical data

## 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="#">WSCAD, 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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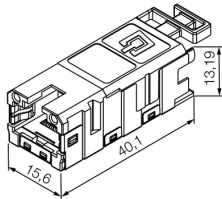
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**Drawings**

**Dimensioned drawing**



**Printing**

