

**IE-CD-V14MRJ/VAPM24V-FJ****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Double junction box / coupling, design for FreeCon  
PushPull plug-in connectors ver.14 according to IEC  
61076-3-117 with RJ45 and PushPull Power

**General ordering data**

Version	Junction box, FreeCon, RJ45 module, Supply, IP65
Order No.	<a href="#">1068830000</a>
Type	IE-CD-V14MRJ/VAPM24V-FJ
GTIN (EAN)	4032248824014
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	100 mm	Depth (inches)	3.937 inch
Height	52 mm	Height (inches)	2.047 inch
Width	80 mm	Width (inches)	3.15 inch
Net weight	597.72 g		

## Temperatures

Operating temperature	-40 °C...70 °C
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## General data

Colour	silver	Housing main material	Aluminium profile, Cover: die-cast zinc, painted
Protection degree	IP65	Type of mounting	Screw mounting
UL 94 flammability rating	V-0	Weight	471 g
Wiring	PROFINET		

## General standards

Application-specific communication cable facilities	PROFINET installation instructions	Certificate no. (cULus)	E316369
Connector standard	IEC 61076-3-117 Var. 14, IEC 60603-7-5	IP protection classes	IEC 60529
UL standard for communication accessories	UL 1863		

## Technical data RJ45 module

Category (RJ45 module)	Cat.5 (ISO/IEC 11801)	Colour (RJ45 module)	silver
Connection 1 (RJ45 module)	IDC	Connection 2 (RJ45 module)	RJ45
Contact resistance (RJ45 module)	≤ 20 mΩ	Contact surface (RJ45 module)	Gold over nickel
Current capacity (RJ45 module)	1 A	Dielectric strength, contact - contact (RJ45 module)	≤ 1000 V DC
Dielectric strength, contact - shielding (RJ45 module)	≤ 1500 V DC	Housing base material (RJ45 module)	Zinc diecast
Insulation resistance (RJ45 module)	> 500 MΩ	Plugging cycles (RJ45 module)	750
Plugging force (RJ45 module)	≤ 30 N	Sheath diameter, max. (RJ45 module)	10 mm
Sheath diameter, min. (RJ45 module)	5 mm	Shielding (RJ45 module)	360° shield contact
Wire cross-section, finely stranded, max. (AWG)	AWG 22	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wiring	PROFINET		

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## Technical data

## Technical specifications for power connector

Cable seal material (power connector)	TPE	Colour (power connector)	Silver grey
Connection 2 (power connector)	Tension clamp	Connection cross-section AWG, max. (power connector)	13
Connection cross-section AWG, min. (power connector)	18	Contact carrier material (power connector)	PA
Contact material (power connector)	Copper alloy	Contact surface (power connector)	Gold over nickel
Current capacity at 50 °C (power connector)	16 A	Housing base material (power connector)	Zinc diecast, nickel-plated
Interlock type (power connector)	Push Pull	Nominal voltage (power connector)	24 V
Plugging cycles (power connector)	≤ 100	Pollution degree (power connector)	2
Seal material (power connector)	NBR	Sheath diameter, max. (power connector)	12 mm
Sheath diameter, min. (power connector)	6 mm	Wire connection cross section, finely stranded, max. (power connector)	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, min. (power connector)	0.75 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max. (power connector)	2.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min. (power connector)	0.75 mm <sup>2</sup>		

## Classifications

ETIM 6.0	EC000437	ETIM 7.0	EC000437
ETIM 8.0	EC000437	ETIM 9.0	EC000437
ECLASS 9.0	27-44-02-02	ECLASS 9.1	27-44-03-92
ECLASS 10.0	27-44-02-02	ECLASS 11.0	27-44-02-02
ECLASS 12.0	27-44-02-02	ECLASS 13.0	27-44-02-02

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

## Approvals

Approvals



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

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">ISO/IEC and TIA/EIA DE</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="#">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>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</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="#">PI PROFINET CABLING EN</a>

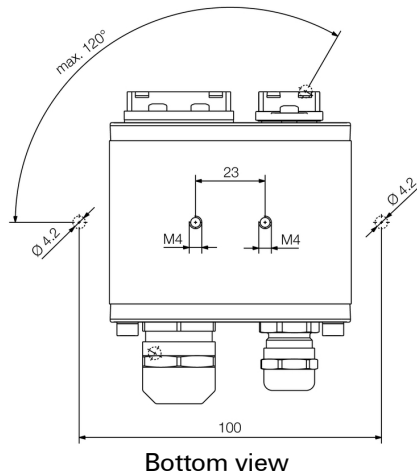
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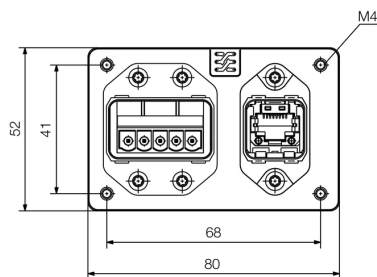
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## Drawings

## Dimensioned drawing



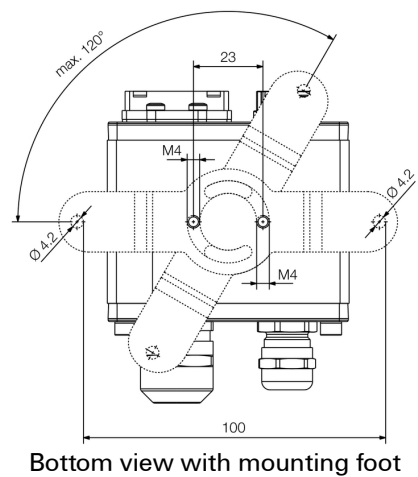
## Dimensioned drawing



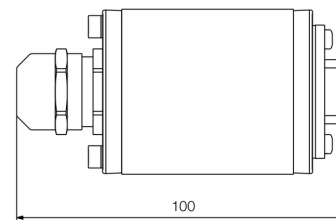
## Wiring diagram

RJ45	RJ45	Power	Power
1 ——— 1	1 ——— 1		
2 ——— 2	2 ——— 2		
3 ——— 3	3 ——— 3		
6 ——— 6	4 ——— 4		
	5 ——— 5		

## Dimensioned drawing



## Dimensioned drawing



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Dragline cable Cat.5 PUR - RJ45 V14 IP67**

Assembled IE cables, PROFINET, Cat. 5, PUR, green, drag-chain compatible, PushPull plug-in connector according to IEC 61076-3-117 ver.14

**General ordering data**

Type	IE-C5DD4UG0010A2EA2E-X	Version
Order No.	<a href="#">1119730010</a>	Dragline cable, PROFINET, RJ45 IP 67 PushPull V14 metal, RJ45 IP
GTIN (EAN)	4032248985463	67 PushPull V14 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B),
Qty.	1 pc(s).	PUR, 1 m

**Mounting foot for FreeCon**

At Weidmüller you can get everything you need from one source - including accessories for Industrial Ethernet.

The benefits for you:

- tools
- testing instruments
- cable bushings
- cabinet connections
- markers
- dust protection
- power packs
- overvoltage protection

**General ordering data**

Type	IE-CD-MA	Version
Order No.	<a href="#">1099580000</a>	Mounting foot, FreeCon, IP65
GTIN (EAN)	4032248874040	
Qty.	10 pc(s).	

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**Accessories****Dust caps**

For protecting your devices against dust and dirt.

**General ordering data**

Type	IE-BP-V14P	Version
Order No.	<a href="#">1058310000</a>	Flange-mounted housing, protective cap
GTIN (EAN)	4032248799404	
Qty.	10 pc(s).	
Type	IE-BP-VAPP	Version
Order No.	<a href="#">1068930000</a>	Flange-mounted housing, protective cap
GTIN (EAN)	4032248823093	
Qty.	10 pc(s).	

**Sets - RJ45**

PushPull plug-in connector set according to IEC  
61076-3-117 ver.14 (PROFINET), metal incl. RJ45 insert

**General ordering data**

Type	IE-PS-V14M-RJ45-FH-P	Version
Order No.	<a href="#">1012170000</a>	Plug insert RJ45 tool-free, Variant 14 metal, Cat.5 (ISO/IEC 11801)
GTIN (EAN)	4032248719815	
Qty.	10 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Sets**

PushPull Power plug-in connector according to PROFINET specification

**General ordering data**

Type	IE-PS-VAPM-5P-2.5	Version
Order No.	<a href="#">2465440000</a>	Power connector, Plug, PROFINET, Set of connectors
GTIN (EAN)	4050118522136	
Qty.	1 pc(s).	

**PVC**

Assembled IE cables, PROFINET, with push-pull power plug connector according to PROFINET specifications

**General ordering data**

Type	IE-CSPS5VS0010VAPVAP-X	Version
Order No.	<a href="#">1350120010</a>	System cable, PushPull Power, PushPull Power, PVC, 1 m
GTIN (EAN)	4050118165296	
Qty.	1 pc(s).	