

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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. | 1068830000 |
| 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 |
|-----------------------|----------------|

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 ² |
| Wire connection cross section, finely stranded, min. (power connector) | 0.75 mm ² | Wire connection cross section, stranded, rated connection, max. (power connector) | 2.5 mm ² |
| Wire connection cross section, stranded, rated connection, min. (power connector) | 0.75 mm ² | | |

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**Technical data****Downloads**

| | |
|---|--|
| Approval/Certificate/Document of Conformity | ISO/IEC and TIA/EIA DE 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 Compliance Statement Screened Category 6 ISO/IEC EN and TIA/EIA Connecting Hardware PROFINET Manufacturer's Declaration |
| Engineering Data | CAD data – STEP |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN |

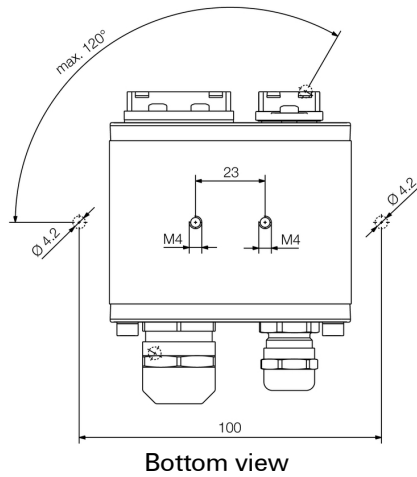
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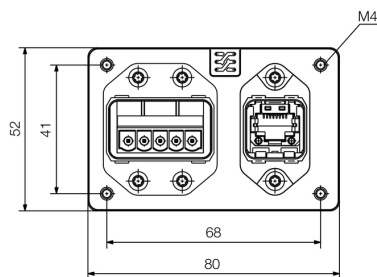
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Drawings

Dimensioned drawing



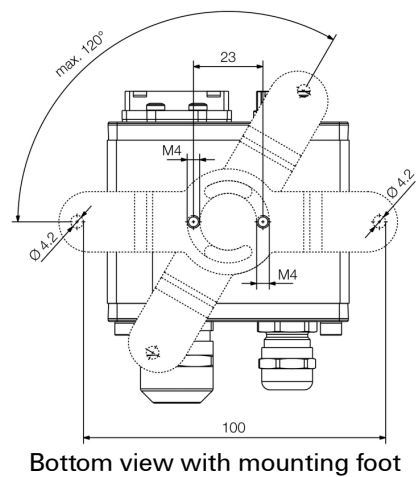
Dimensioned drawing



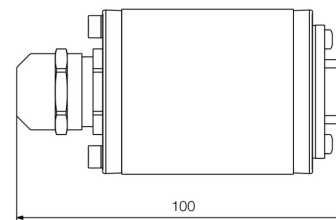
Wiring diagram

| 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**Accessories****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. | 1350120010 | System cable, PushPull Power, PushPull Power, PVC, 1 m |
| GTIN (EAN) | 4050118165296 | |
| Qty. | 1 pc(s). | |

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. | 1119730010 | 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 |

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www.weidmueller.com**Accessories****Dust caps**

For protecting your devices against dust and dirt.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | IE-BP-V14P | Version |
| Order No. | 1058310000 | Flange-mounted housing, protective cap |
| GTIN (EAN) | 4032248799404 | |
| Qty. | 10 pc(s). | |
| Type | IE-BP-VAPP | Version |
| Order No. | 1068930000 | Flange-mounted housing, protective cap |
| GTIN (EAN) | 4032248823093 | |
| Qty. | 10 pc(s). | |

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. | 1099580000 | Mounting foot, FreeCon, IP65 |
| GTIN (EAN) | 4032248874040 | |
| Qty. | 10 pc(s). | |

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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. | 2465440000 | Power connector, Plug, PROFINET, Set of connectors |
| GTIN (EAN) | 4050118522136 | |
| Qty. | 1 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. | 1012170000 | Plug insert RJ45 tool-free, Variant 14 metal, Cat.5 (ISO/IEC 11801) |
| GTIN (EAN) | 4032248719815 | |
| Qty. | 10 pc(s). | |