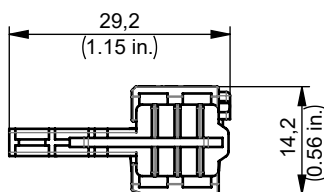
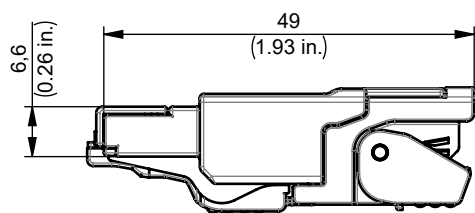
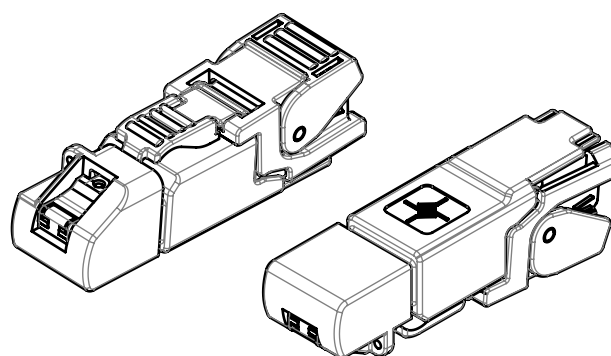
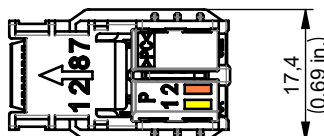
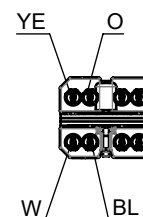


# MFP8 PROFINET

## AWG24-22/1, AWG27-22/7



Anschlussbelegung / PIN assignment  
PROFINET



| Bestell-Nr.<br>Order no | Bezeichnung<br>Description              | Barcode<br>EAN 13 | VPE<br>PU |
|-------------------------|-----------------------------------------|-------------------|-----------|
| J00026A2002             | MFP8 PROFINET AWG24-AWG22/1, AWG27-22/7 | 4018359428327     | 10        |
| J00026A2112             | MFP8 PROFINET AWG24-AWG22/1, AWG27-22/7 | 4018359428679     | 10        |

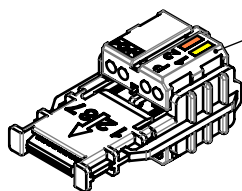
| Bestell-Nr.<br>Order no | Verpackung<br>Packing                                     | VPE<br>PU                 | Karton<br>Carton   | UPE<br>OPU                       | Karton<br>Carton    | UPE<br>OPU                    | Karton<br>Outer carton |
|-------------------------|-----------------------------------------------------------|---------------------------|--------------------|----------------------------------|---------------------|-------------------------------|------------------------|
| J00026A2002             | 1 pc. in PE bag,<br>one mounting<br>information           | 10 PE bags in<br>carton   | 295x135x45<br>[mm] | -                                | -                   | 10 cartons in<br>outer carton | 330x305x270<br>[mm]    |
| J00026A2112             | 10 pcs in blister<br>pack,<br>one mounting<br>information | 10 pcs in<br>blister pack | -                  | 10 blister<br>packs in<br>carton | 280x135x103<br>[mm] | 5 cartons in<br>outer carton  | 330x305x270<br>[mm]    |

Montageanleitung siehe: [www.telegaertner.com](http://www.telegaertner.com)  
Mounting instructions see: [www.telegaertner.com](http://www.telegaertner.com)

# MFP8 PROFINET

## AWG24-22/1, AWG27-22/7

### Optional



MFP8 Adernmanager kann separat bestellt werden.  
MFP8 wire manager can be ordered separately.

| Bestell-Nr.<br>Order no | Bezeichnung<br>Description              | Barcode<br>EAN 13 | VPE<br>PU              | UPE<br>OPU                 | Karton<br>Carton |
|-------------------------|-----------------------------------------|-------------------|------------------------|----------------------------|------------------|
| F00020A2132             | MFP8 PROFINET AWG24-AWG22/1, AWG27-22/7 | 4018359429249     | 30 pcs in blister pack | 10 blister packs in carton | 280x135x103 [mm] |
| N00000B0020             | Parallel press tool                     | 4018359391430     | 1 pc.                  | -                          | -                |
| N00000A0013             | Plier-Wrench 1 3/8"                     | 4018359306731     | 1 pc.                  | -                          | -                |

### Technische Daten / Technical Data

| Steckverbinder-Norm                  | IEC 60603-7-51                                                                                                                                      | Connector Standard             |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Mechanische Eigenschaften            |                                                                                                                                                     | Mechanical Characteristics     |
| Steckkraft                           | ≤ 30 N                                                                                                                                              | Insertion force                |
| Lebensdauer (Steckzyklen)            | > 750                                                                                                                                               | Life (mating cycles)           |
| Kabelabzugskraft                     | min. 50 N                                                                                                                                           | Cable to plug tensile strength |
| Werkstoffe                           |                                                                                                                                                     | Materials                      |
| Steckergehäuse                       | Zinkdruckguß vernickelt / zinc diecast Ni plated                                                                                                    | Connector housing              |
| Kontaktgehäuse                       | PC UL94 V0 glasklar / crystal clear                                                                                                                 | Contact housing                |
| Adernvorsortierung                   | PC UL94 V0 weiß / white                                                                                                                             | Wire presorting                |
| Kabelabfangung                       | PBT UL94 V0 schwarz / black                                                                                                                         | Strain relief lever            |
| Verriegelungshebel, Staubschutzkappe | PBT UL94 V0 schwarz / black                                                                                                                         | Hook, protection cap           |
| Leiterplatte                         | FR4 UL94 V0 beidseitig Lötstopplack / soldermask both side                                                                                          | PCB                            |
| Durchdring-Kontakte                  | Phosphor Bronze, min. 3...6 µm Sn                                                                                                                   | Piercing contacts              |
| Schirmkontakt                        | Messing / brass 2,5 µm Ni                                                                                                                           | Shield contact                 |
| Kontakte                             | Federstahl / spring steel 0,8 µm Au; 1,2 µm Ni                                                                                                      | Contacts                       |
| Richtlinie 2011/65/EU (RoHS)         | RoHS-konform / RoHS-compliant                                                                                                                       | Directive 2011/65/EU (RoHS)    |
| Adernanschluss                       |                                                                                                                                                     | Wire Connection                |
| Cu-Leiterdurchmesser                 | Massiv / solid 0,51 - 0,64 mm AWG24 - AWG22/1<br>Litze / stranded 0,46 - 0,76 mm AWG27 - AWG22/7<br>*Litze / stranded 0,61-0,78 mm AWG24 - AWG22/19 | Cu-conductor diameter          |
| Aderndurchmesser                     | 1,0 - 1,6 mm                                                                                                                                        | Core diameter                  |
| Wiederanschließbarkeit               | ≤ 4x                                                                                                                                                | Reusable IPC                   |
| Kabeldurchmesser                     | 5,0 - 9,0 mm                                                                                                                                        | Cable diameter                 |

\* Freigabe des Kabels durch Fa. Telegärtner Karl Gärtner GmbH erforderlich.

\* Approval of the cable by Telegärtner Karl Gärtner GmbH required.

# MFP8 PROFINET

## AWG24-22/1, AWG27-22/7



| Technische Daten / Technical Data |                                                                                    |                                                        |
|-----------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------|
|                                   |                                                                                    |                                                        |
| <b>Umweltanforderungen</b>        |                                                                                    | <b>Environmental Requirements</b>                      |
| <b>Schutz vor Eindringen</b>      |                                                                                    | <b>Protection against Ingress</b>                      |
| Eindringen von Teilchen           | IP2X                                                                               | Particulate ingress                                    |
| Wasser / Untertauchen             | IPX0                                                                               | Water / Immersion                                      |
| <b>Klimatisch und chemisch</b>    |                                                                                    | <b>Climatical and Chemical</b>                         |
| Umgebungstemperatur               | -40°C bis / to +85°C                                                               | Ambient temperature                                    |
| <b>Elektrische Eigenschaften</b>  |                                                                                    | <b>Electrical Characteristics</b>                      |
| Kontaktwiderstand                 | ≤ 20 mΩ                                                                            | Contact resistance                                     |
| Isolationswiderstand              | ≥ 500 MΩ                                                                           | Insulation resistance                                  |
| <b>Spannungsfestigkeit</b>        |                                                                                    | <b>Voltage Proof</b>                                   |
| Kontakt-Kontakt                   | ≥ 1000 V, DC                                                                       | Contact-Contact                                        |
| Kontakt-Schild                    | ≥ 1500 V, DC                                                                       | Contact-Shield                                         |
| Strombelastbarkeit bei 50°C       | 1 A                                                                                | Current carrying capacity at 50°C                      |
| PoE gemäß IEEE 802.3af            | Geeignet für Power over Ethernet<br>Adequate for Power over Ethernet               | PoE according to IEEE 802.3af                          |
| PoE+ gemäß IEEE 802.3at           | Geeignet für Power over Ethernet+<br>Adequate for Power over Ethernet+             | PoE+ according to IEEE 802.3at                         |
| 4PPoE gemäß IEEE 802.3bt          | Geeignet für 4 Pair Power over Ethernet<br>Adequate for 4 Pair Power over Ethernet | 4PPoE according to IEEE 802.3bt                        |
| <b>Normen</b>                     |                                                                                    | <b>Standards</b>                                       |
| IP-Schutzarten                    | IEC 60529                                                                          | Degrees of protection provided by enclosures (IP code) |
| UL Norm: Kommunikationszubehör    | UL 1863                                                                            | UL Standard: Communications-Circuit Accessories        |
| UL Norm: Brandprüfung             | UL 2043 **                                                                         | UL Standard: Fire Test                                 |
| Kommunikationskabelanlage         | PROFINET Cabling and Interconnection Technology                                    | Cabling system                                         |
| <b>Zulassung</b>                  |                                                                                    | <b>Approval</b>                                        |
| UL-gelistet                       | E244889                                                                            | UL listed                                              |

\*\* Brandprüfung für die Abgabe von Wärme und sichtbarem Rauch durch Einzelprodukte und ihre Zubehörteile in Klimäräumen.

\*\* Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces.