

Fast Ethernet Cat5e Data Receptacle Connector: Female, rear mount, M12 - mating side, angled print contacts - connecting side, 4-pin, D-coded, unshielded, metallic grey housing, 50 V AC / 60 V DC, 4 A

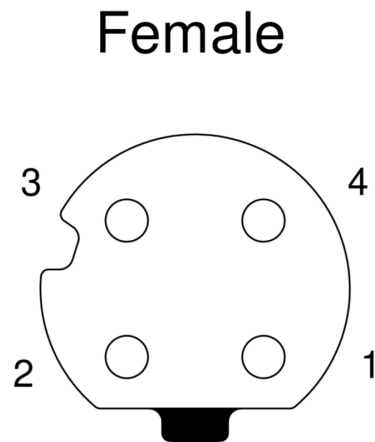
Technical drawings for the installation of the front plate on the PLC.

Top Left Drawing: Front view of the front plate. Dimensions: 19.5 (width), 14 (height), 14 (height), 15 (height), and SW (width).

Top Right Drawing: Side view of the front plate. Dimensions: 16 (total height), 8.5 (height), 25 (height), 10 (width), 14 (width), 1 (width), 9 (width), 18.5 (height), and M 12 x 1 (thread).

Bottom Left Drawing: Front view of the front plate. Dimensions: 12.5 (height), 8.5 (height), 3 ± 0.1 (width), and X, Y (width).

Bottom Right Drawing: Drilling pattern. Dimensions: 15 (height), 35.4 (height), 25.4 (height), 9 (width), 5.5 (width), 2.8 (width), 4 (width), 13 (width), 2.1 (width), and Ø 1 (hole diameter).



Technical Data

| | |
|---------------------------|-----------------------|
| Product Family: | Data Connectors |
| Product Sub Family: | M12 Standard |
| Mating Side: | M12 |
| Connecting Side: | Angled Print Contacts |
| Brand: | Hirschmann |
| Connector Type: | Receptacle |
| Type of Contact / Gender: | Female |
| Connector Design: | Rear Mount |
| Number of Pins: | 4 |
| Coding: | D |
| Attachment Type: | Screw-Locking |
| Rated Voltage: | 60 V |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 50 V AC / 60 V DC |
| Rated Current*: | 4 A |
| Data Transmission Rate: | Fast Ethernet Cat5e |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10^9 Ohm |
| Mating Cycles: | ≤ 100 |

| | |
|-----------------------------------|---|
| Type of Connection: | PCB |
| Thread Material: | CuZn |
| Thread Plating: | Nickel-plated |
| Ambient Temperature (Operation)*: | - 25 °C - + 90 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| Design Standard: | In style of IEC 61076-2-101 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance: | DIN EN 60664-1 (2008/01); VDE 0110-1 |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|---------------|
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | PA |
| Contact Bearer Color: | Blue |
| Flammability Class (Contact Bearer): | UL 94 V-2 |
| Potted: | No |
| Housing Material: | CuZn |
| Housing Plating: | Nickel-plated |
| Housing Color: | Silver |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |
| O-Ring Material: | FKM |

Additional Technical Data

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|--------------------------------|---------------------------------|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
|--------------------------------|---------------------------------|

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Notes

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|-------------------------------------|---|
| Note Derating: | * Notice derating |
| Protection Degree / IP Rating Note: | * only if mounted and locked in combination with Hirschmann / Lumberg connector. On the installation side tightness has to be assured by taking proper measures. |
| Note: | The receptacle connector is constructively intended for usage in IP67-products. To realise this protection class, the estimated location has to be designed accordingly. Further details see IEC 61076-2-101. |

Variants

| Item # | Item Description |
|-----------|------------------|
| 934451521 | EF12LW OCTOPUS |

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