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Distributor, design: Rail-mountable module, degree of protection: IP20, number of positions: 12, material: Metal, connection method: M17 circular connector, cable outlet: above and below, housing size: 1, color: gray, Ethernet

DIN rail distributor box 6x LC duplex to M17 12-pos.

## Product description

FDX-20 series DIN rail distributor for Plug and Play connection, equipped with 6x LC Duplex couplings and 1x M17 MPO 12-pos. socket, socket attached on the underside (upon request, the socket can also be attached on the top). Housing (2-part) prepared for DIN rail mounting through the rear-side adapter (this can also be mounted on the side)

## Your advantages

- Intuitive front-panel operation and clear control cabinet layout thanks to uniform design
- Flexible DIN rail mounting possible in six positioning directions
- Suitable for industrial applications
- Reduced installation time with plug-and-play
- Pin assignment straight in line in a link
- Continuously reliable data connection, thanks to extensively tested components
- Snap-on mounting on standard DIN rails NS 35/7.5 or NS 35/15
- Transmission rate up to 1000 Mbps

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1208052       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | ABNHBC        |
| Product key                          | ABNHBC        |
| GTIN                                 | 4063151275952 |
| Weight per piece (including packing) | 571 g         |
| Weight per piece (excluding packing) | 501,624 g     |
| Customs tariff number                | 85367000      |
| Country of origin                    | DE            |

## Technical data

### Product properties

|                        |                       |
|------------------------|-----------------------|
| Type                   | Rail-mountable module |
| Sensor type            | Ethernet              |
| Number of positions    | 12                    |
| Connection profile     | LC-Duplex             |
| No. of conductors      | 12                    |
| Number of module slots | 6                     |
| Number of slots        | 12                    |
| Protective cover       | yes                   |
| Cable outlet           | above and below       |

### Electrical properties

|                     |          |
|---------------------|----------|
| Attenuation         | ≤ 0.6 dB |
| Transmission medium | FO       |

### Connection data

#### Connection technology

|                   |                        |
|-------------------|------------------------|
| Connection method | M17 circular connector |
|-------------------|------------------------|

### Dimensions

|        |        |
|--------|--------|
| Width  | 40 mm  |
| Height | 130 mm |
| Depth  | 115 mm |

#### Housing

|               |       |
|---------------|-------|
| Housing width | 40 mm |
|---------------|-------|

#### Mechanical characteristics

|                  |         |
|------------------|---------|
| Ferrule diameter | 1.25 mm |
|------------------|---------|

### Material specifications

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| Color                                  | gray                                |
| Flammability rating according to UL 94 | V0                                  |
| Ferrule material                       | PPS                                 |
| Housing material                       | Metal                               |
| Housing surface material               | Powder-coated, gray (metal housing) |

### Cable/line

|                         |                      |
|-------------------------|----------------------|
| Cable type              | Multimode fiberglass |
| Cable type              | Fan out              |
| External cable diameter | ≤ 12.00 mm (of 6 mm) |
|                         | 6 mm ... 12 mm       |

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|                          |      |
|--------------------------|------|
| Individual wire diameter | 2 mm |
|--------------------------|------|

## FO cable

|                     |                                  |
|---------------------|----------------------------------|
| Number of fibers    | 12                               |
| Fiber               | GOF                              |
| Fiber type          | Multimode fiberglass 62.5/125 µm |
| Transmission medium | FO                               |

## Characteristics

|             |          |
|-------------|----------|
| Attenuation | ≤ 0.6 dB |
|-------------|----------|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP20             |
| Ambient temperature (operation)         | -25 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly)          | -5 °C ... 55 °C  |

## Mounting

|               |                                                    |
|---------------|----------------------------------------------------|
| Mounting type | DIN rail mounting                                  |
| Assembly note | Option for flexible replugging of DIN rail adapter |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19170113 |
| ECLASS-15.0 | 19170113 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002699 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43223300 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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