

1208053

<https://www.phoenixcontact.com/us/products/1208053>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Distributor, design: Rail-mountable module, degree of protection: IP20, number of positions: 24, material: Metal, connection method: M17 circular connector, cable outlet: above and below, housing size: 1, color: gray, Ethernet

## Product description

FDX-20 series DIN rail distributor for Plug and Play connection, equipped with 6x LC Quad couplings and 1x M17 MPO 24-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	1208053
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB15
Product key	ABNHBC
GTIN	4063151275082
Weight per piece (including packing)	602.3 g
Weight per piece (excluding packing)	536.469 g
Customs tariff number	85367000
Country of origin	DE

1208053

<https://www.phoenixcontact.com/us/products/1208053>

## Technical data

### Product properties

Product type	Network distributor box
Type	Rail-mountable module
Sensor type	Ethernet
Number of positions	24
Connection profile	LC-Duplex
No. of conductors	24
Number of module slots	6
Number of slots	24
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)

1208053

<https://www.phoenixcontact.com/us/products/1208053>

	6 mm ... 12 mm
Individual wire diameter	2 mm

## FO cable

Number of fibers	24
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)	-40 °C ... 85 °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

1208053

<https://www.phoenixcontact.com/us/products/1208053>

## Classifications

### ECLASS

ECLASS-13.0	19170113
ECLASS-15.0	19170113

### ETIM

ETIM 9.0	EC001130
----------	----------

### UNSPSC

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



1208053  
<https://www.phoenixcontact.com/us/products/1208053>

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%

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)