SAC-8PY-MY/M-FD SH - Y distributor

1410630

https://www.phoenixcontact.com/us/products/1410630

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Y distributor, Ethernet hybrid CAT5 (100 Mbps), 8-position, Plug straight M12, coding: Y, on Socket straight M12, coding: D and Plug straight M12, coding: A, Power with Ethernet (PWE), Thread M12 plug A-coded and M12 socket not rotatable

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

Commercial data

Item number	1410630
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	BF1GAC
Catalog page	Page 436 (C-2-2019)
GTIN	4046356924719
Weight per piece (including packing)	43.6 g
Weight per piece (excluding packing)	43.3 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Product properties

Product type	Y-distributor
Application	Standard
Sensor type	Ethernet hybrid
Number of positions	8
No. of cable outlets	2
Shielded	yes
Coding	Y
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V AC (Power and data)
	30 V DC (Power and data)
Nominal current I_N	6 A (Power)
	1.5 A (Data)
Transmission medium	Copper

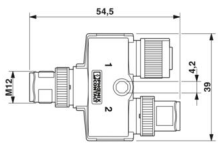
Interfaces

Bus system	Ethernet
Signal type/category	Ethernet hybrid CAT5 (IEC 11801), 100 Mbps

Signaling

Status display	No
Status display present	No

Dimensions

Dimensional drawing	
Center distance	21 mm

Material specifications

Material	PP
	PA 6.6
	TPE-U

	TPE-U
Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuZn
Contact surface material	Ni/Au
Material for screw connection	Zinc die-cast, nickel-plated

Connector

Connection 1

Type	Plug straight M12
Coding type	Y

Connection 2

Type	Socket straight M12
Coding type	D

Connection 3

Type	Plug straight M12
Coding type	A

Cable/line

Signal type/category	Ethernet hybrid CAT5 (IEC 11801), 100 Mbps

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Environmental and real-life conditions

Ambient conditions

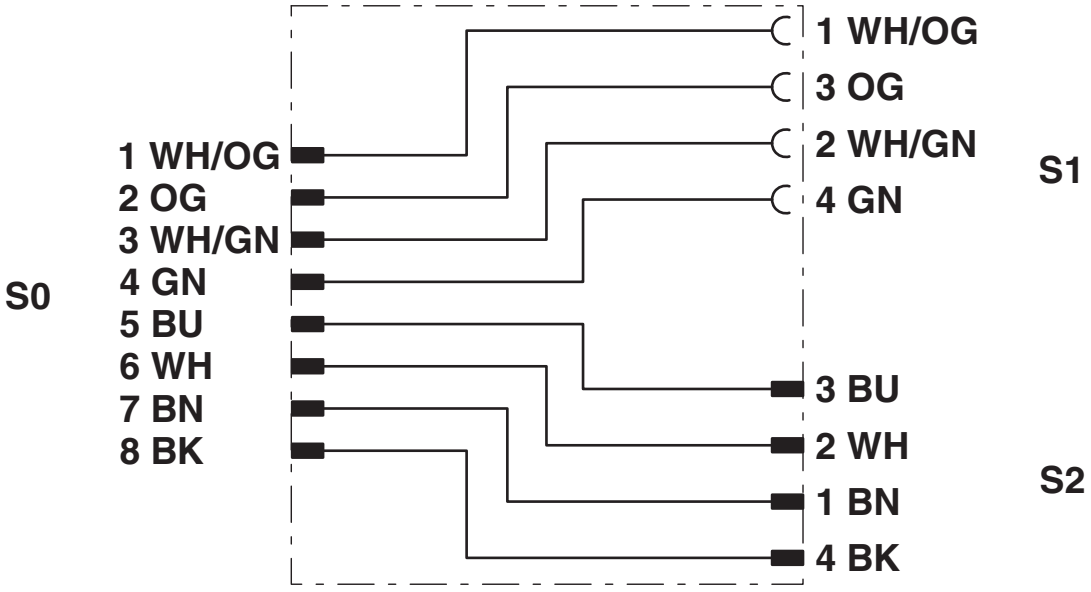
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)

Standards and regulations

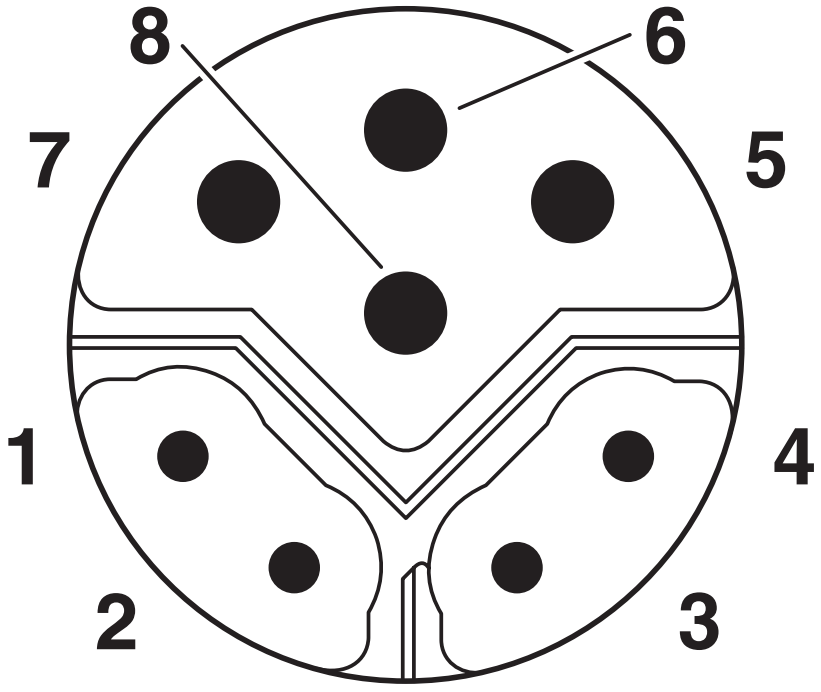
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-113

Drawings

Circuit diagram

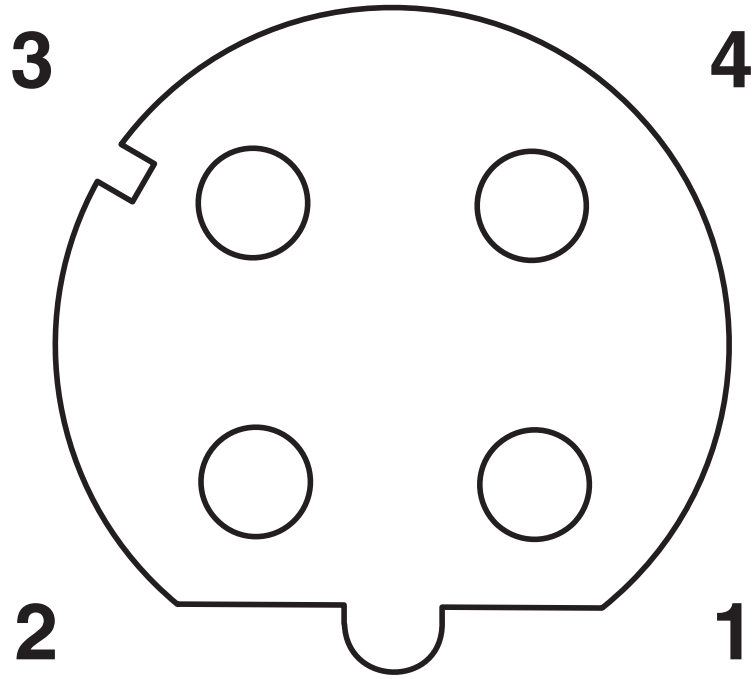


Schematic diagram



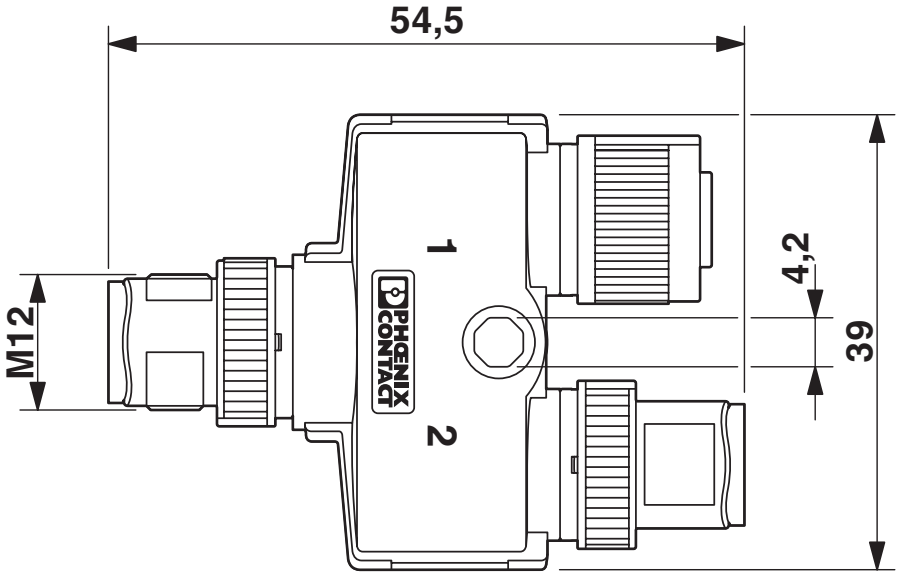
M12 hybrid plug pin assignment, 8-pos., Y-coded, pin side view

Schematic diagram



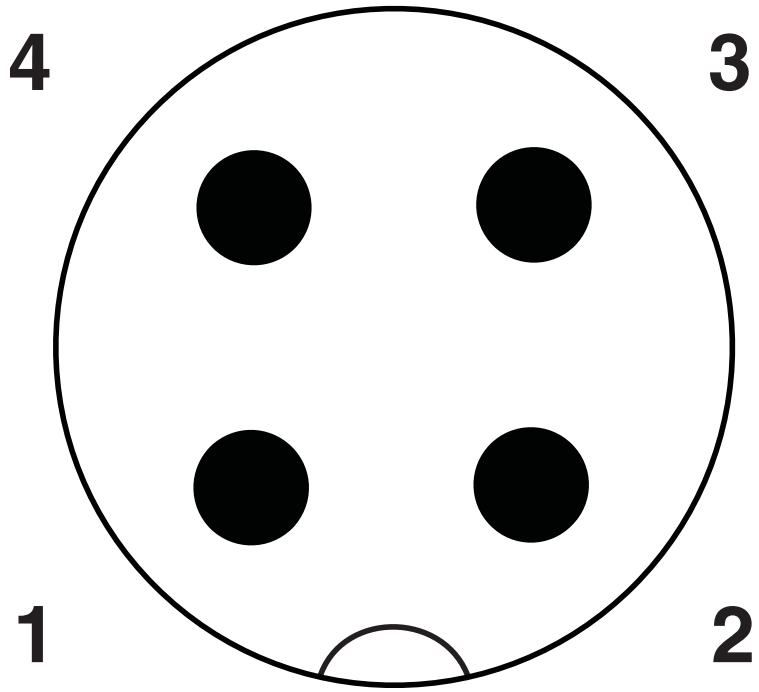
Pin assignment M12 socket, 4-pos., D-coded, female side

Dimensional drawing



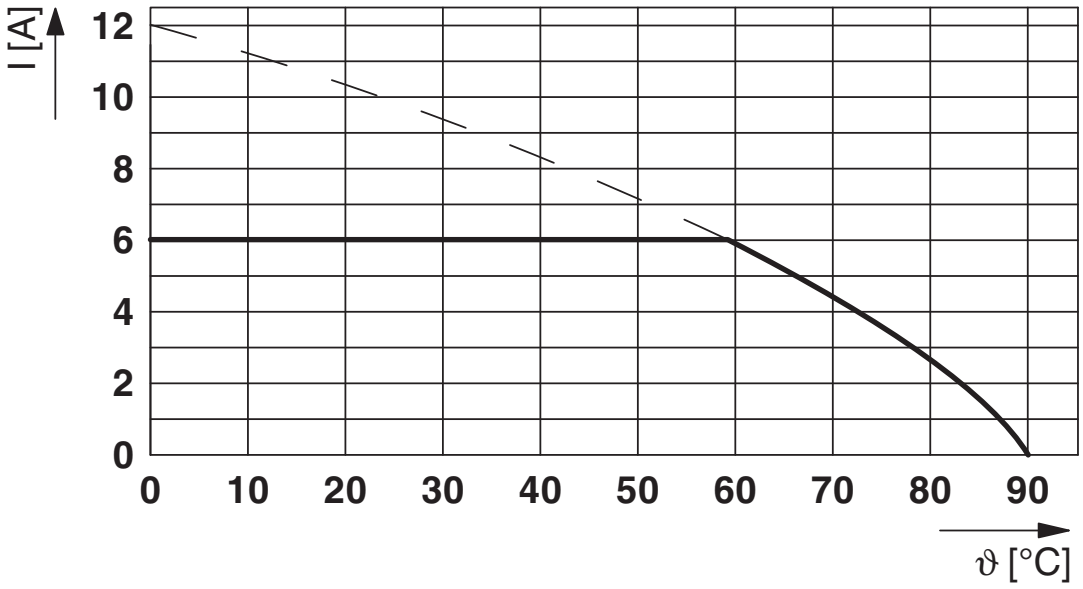
M12 Y distributor

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

Diagram



Current carrying capacity

Classifications

ECLASS

ECLASS-11.0	27440106
ECLASS-12.0	27440106
ECLASS-13.0	27440106

ETIM

ETIM 9.0	EC002925

UNSPSC

UNSPSC 21.0	31251500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	03c49d98-26ec-4306-9b8d-7647f49d9258

Accessories

PROT-M12 SH - Screw plug

1503302

https://www.phoenixcontact.com/us/products/1503302



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FS-M - Sealing cap

1430488

https://www.phoenixcontact.com/us/products/1430488



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

PROT-M12 - Screw plug

1680539

https://www.phoenixcontact.com/us/products/1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FS - Sealing cap

1560251

https://www.phoenixcontact.com/us/products/1560251



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

PROT-M12 MS-PA-CHAIN - Screw plug

1430899

https://www.phoenixcontact.com/us/products/1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets



PROT-M12 FS-PA-CHAIN - Sealing cap

1430873

https://www.phoenixcontact.com/us/products/1430873

M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 plugs



NBC-M12MSD/ 2,0-93B/M12MSD CMC - Network cable

1524378

https://www.phoenixcontact.com/us/products/1524378



Network cable, PROFINET CAT5 (100 Mbps), EtherCAT® CAT5 (100 Mbps), 4-position, PVC/PVC, green RAL 6018, shielded (Aluminum-coated foil, tinned copper braided shield), Advanced Shielding Technology, Plug straight M12, coding: D / IP67, on Plug straight M12, coding: D / IP67, cable length: 2 m

SAC-4P-M12MS/ 2,0-186/M12FS - Sensor/actuator cable

1509555

https://www.phoenixcontact.com/us/products/1509555



Sensor/actuator cable, 4-position, PUR, black-gray RAL 7021, Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 2 m

NBC-M12MSY/2,0-94H/M12FSY - Hybrid cable

1057782

https://www.phoenixcontact.com/us/products/1057782



Hybrid cable, Ethernet hybrid CAT5 (100 Mbps), 8-position, PUR halogen-free, black RAL 9005, shielded (Tinned copper braided shield), Advanced Shielding Technology, Plug straight M12, coding: Y / IP65/IP67, on Socket straight M12, coding: Y / IP65/IP67, cable length: 2 m, Power with Ethernet (PWE)

TSD 04 SAC - Torque screwdriver

1208429

https://www.phoenixcontact.com/us/products/1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

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SAC BIT M12-D15 - Tool

1208432

https://www.phoenixcontact.com/us/products/1208432



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

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