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

1410630

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Y distributor, Ethernet hybrid CAT5 (100 Mbps), 8-position, shielded, 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	AF1GAC
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
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
Transmission speed	100 Mbps

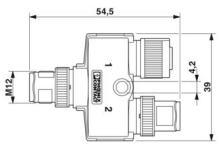
Interfaces

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 (Contact carrier, Y-coded, data)
	PA 6.6 (Contact carrier, Y-coded, power)
	TPE-U (Contact carrier, A-coded)

	TPE-U (Contact carrier, D-coded)
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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Environmental and real-life conditions

Ambient conditions

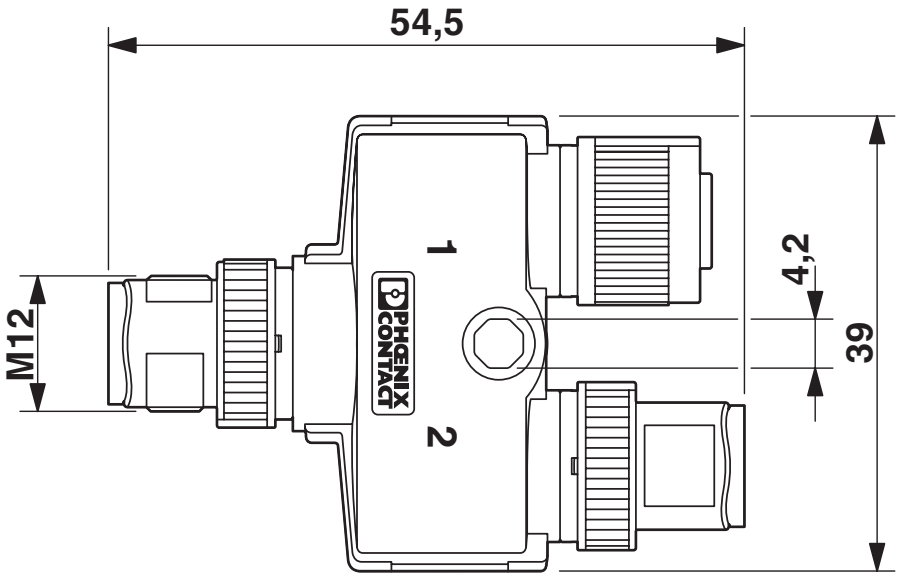
Degree of protection	IP65
	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 80 °C (Plug / socket)

Standards and regulations

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

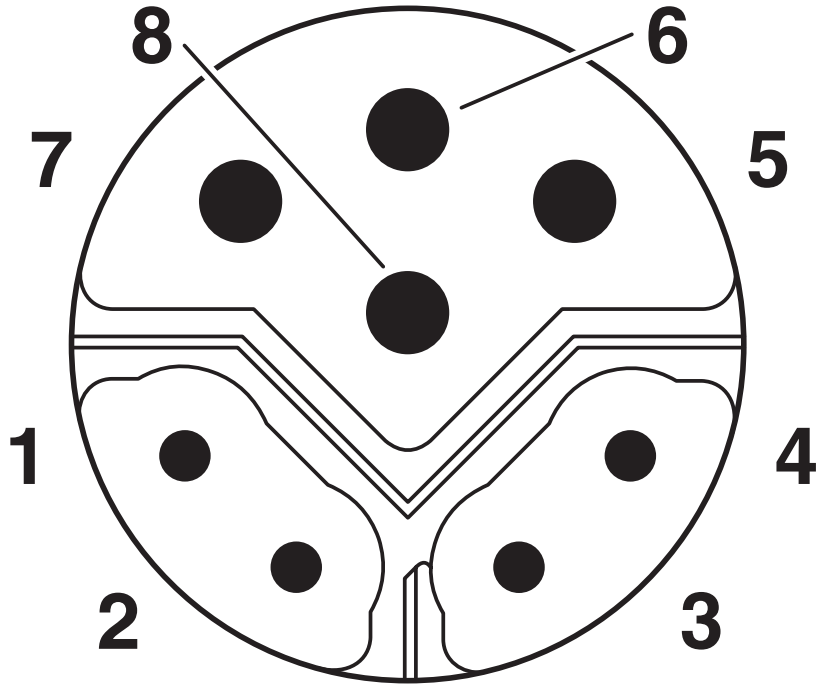
Drawings

Dimensional drawing



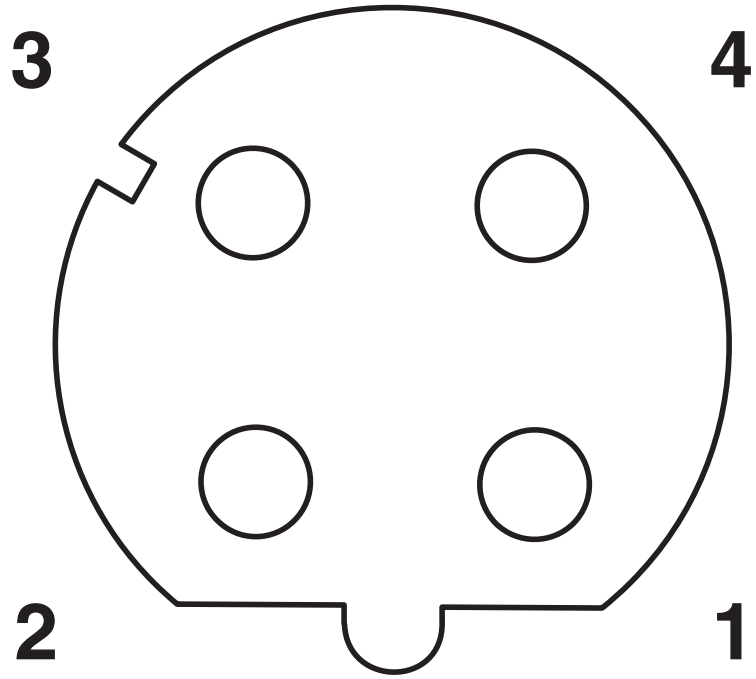
M12 Y distributor

Schematic diagram



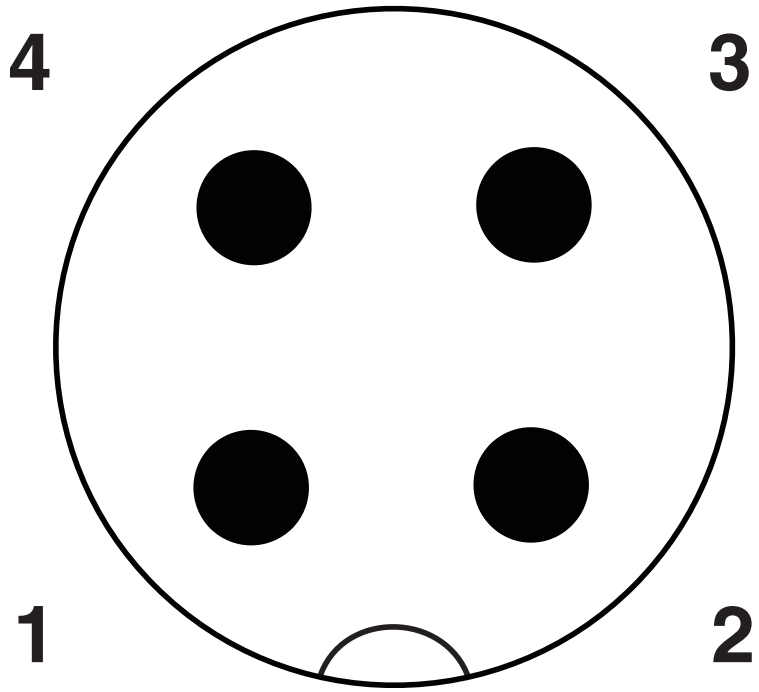
M12 hybrid plug pin assignment, 8-pos., Y-coded, pin side view

Schematic diagram



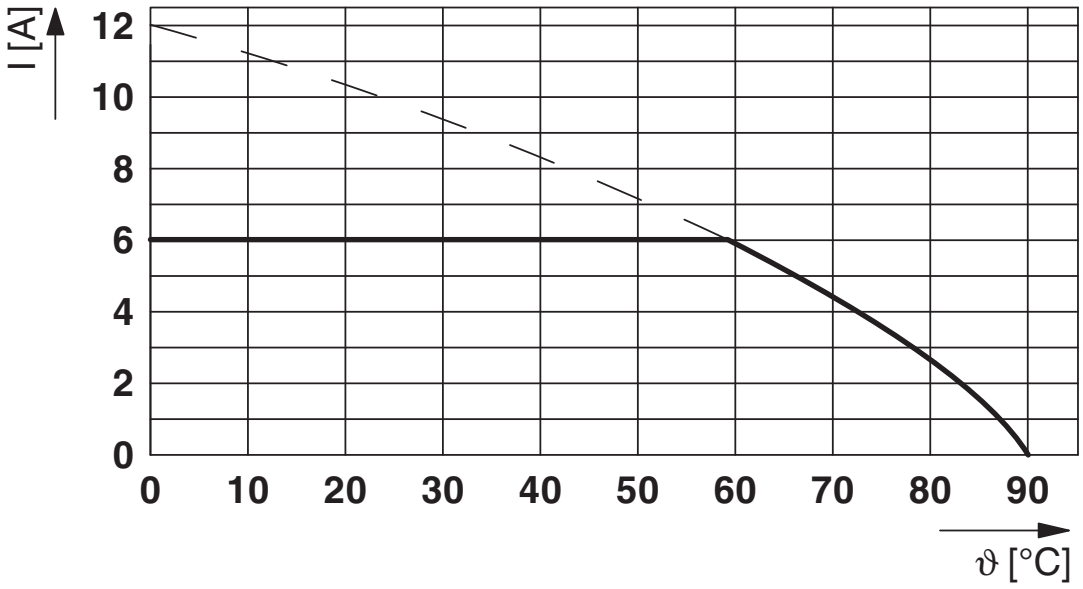
Pin assignment M12 socket, 4-pos., D-coded, female side

Schematic diagram



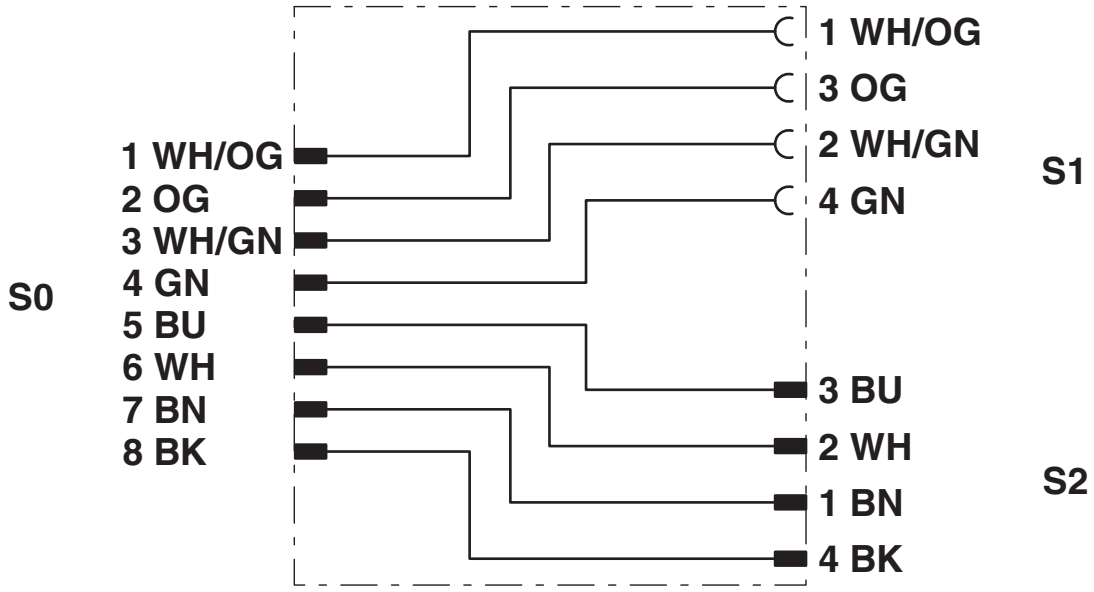
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Diagram



Current carrying capacity

Circuit diagram



Contact assignment of the M12 Y distributor

Classifications

ECLASS

ECLASS-13.0	27440106
ECLASS-15.0	27440106

ETIM

ETIM 10.0	EC002925

UNSPSC

UNSPSC 21.0	31251500

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%

EF3.1 Climate Change

CO2e kg	6.24 kg CO2e

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