SAC-5PY-FK/MK-FK F VP SH - Y distributor

1080247

https://www.phoenixcontact.com/us/products/1080247

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Y distributor, 5-position, shielded, Plug straight M12, coding: K, on Socket straight M12, coding: K and Socket straight M12, coding: K, for alternating current up to 16 A/630 V, Parallel distributor

Your advantages

- High-performance: AC connectors for up to 16 A and 630 V AC

Commercial data

Item number	1080247
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GAP
GTIN	4055626802800
Weight per piece (including packing)	96.5 g
Weight per piece (excluding packing)	96.5 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Assembly note	NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.

Product properties

Product type	Y-distributor
Application	Energy supply
Number of positions	5
No. of cable outlets	2
Shielded	yes
Coding	K
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

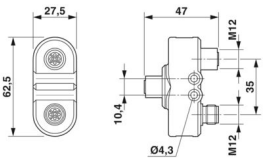
Electrical properties

Nominal voltage U_N	630 V AC
Nominal current I_N	16 A (at 40 °C)

Signaling

Status display	no
Status display present	no

Dimensions

Dimensional drawing	
Width	28 mm
Height	47 mm
Length	62.5 mm
Center distance	35 mm

Material specifications

Material	CuZn (Pin contact)
	(Female contact)
Flammability rating according to UL 94	V0

Material grommet GRP	HNBR
Material of grip body	PBT
Contact surface material	Au
Contact carrier material	PBT
Material for screw connection	Brass, nickel-plated

Connector

Connection 1

Type	Plug straight M12
Coding type	K

Connection 2

Type	Socket straight M12
Coding type	K

Connection 3

Type	Socket straight M12
Coding type	K

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions

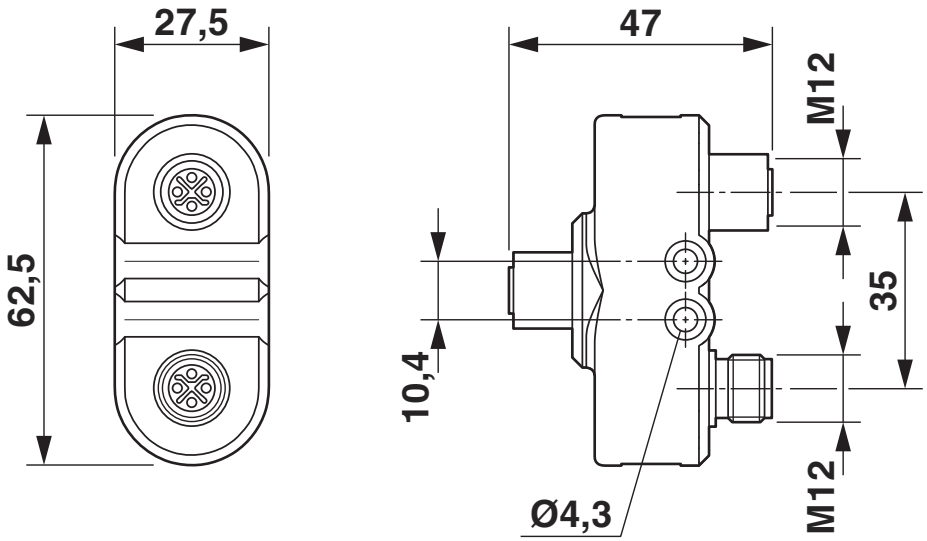
Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-111

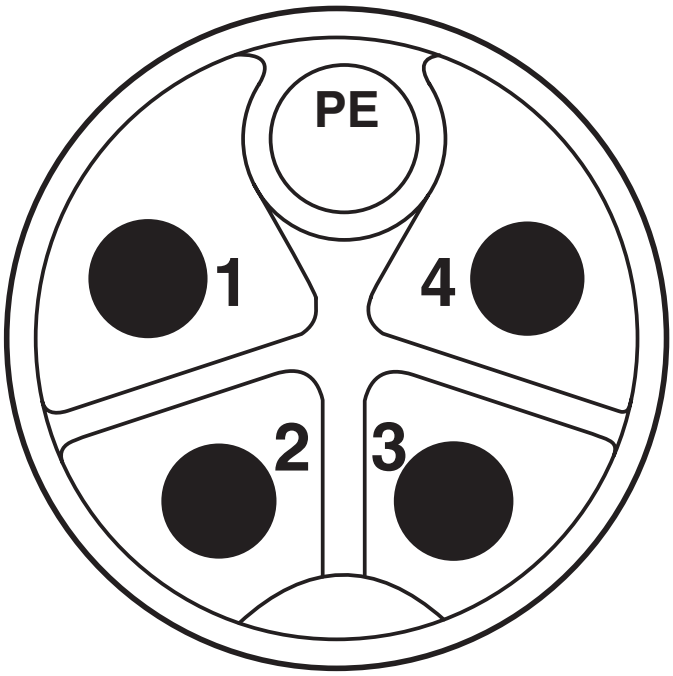
Drawings

Dimensional drawing



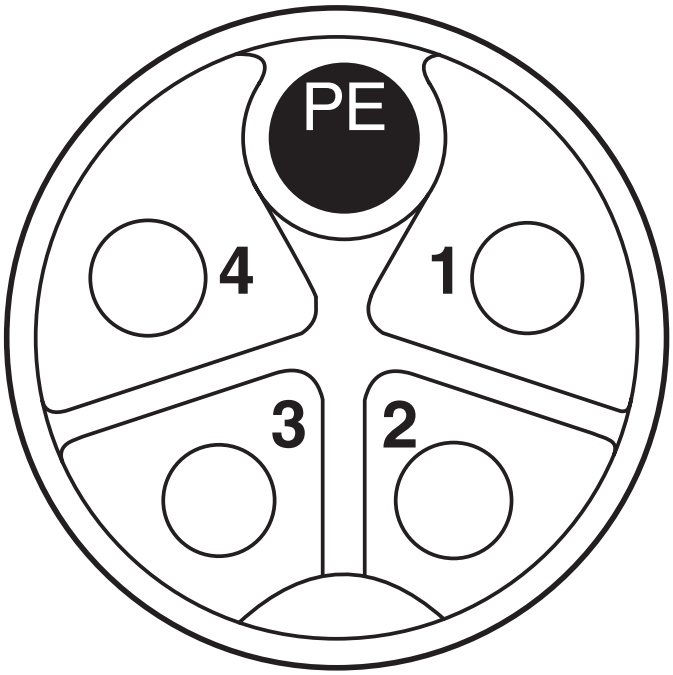
M12 Y distributor

Schematic diagram



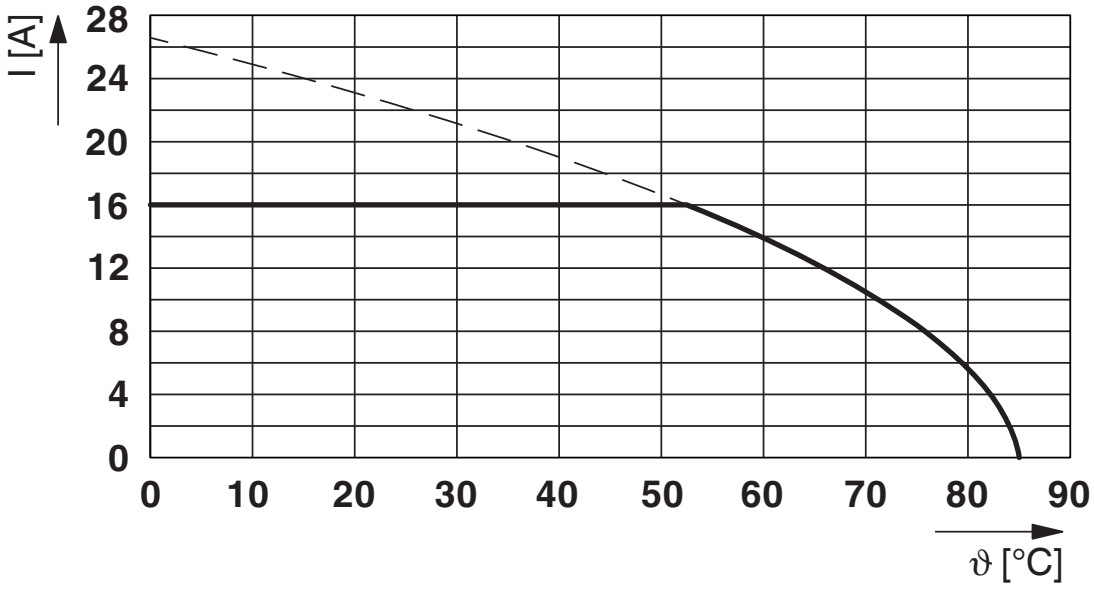
Pin assignment of M12 male connector, 4-pos.+PE, K-coded, view of pin side

Schematic diagram



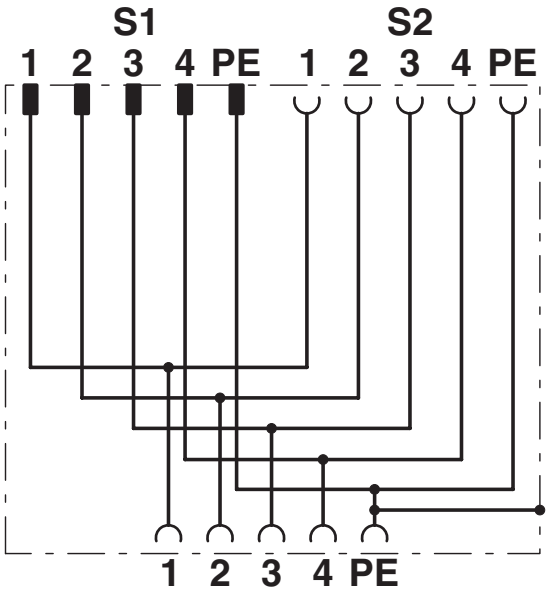
Pin assignment of M12 socket, 4-pos.+PE, K-coded, socket side view

Diagram



Current carrying capacity

Circuit diagram



Contact assignment of the M12 Y distributor

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1080247

UL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
for AC application only	600 V	16 A	-	-

cUL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
for AC application only	600 V	15 A	-	-

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%

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