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

1080247

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Y distributor, 5-position, 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	BF1GAP
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

General	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
General	UL approval in preparation

Product properties

Product type	Y-distributor
Application	Power 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

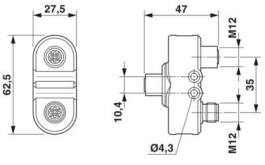
Electrical properties

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
	CuNi

Flammability rating according to UL 94	V0
Seal material	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

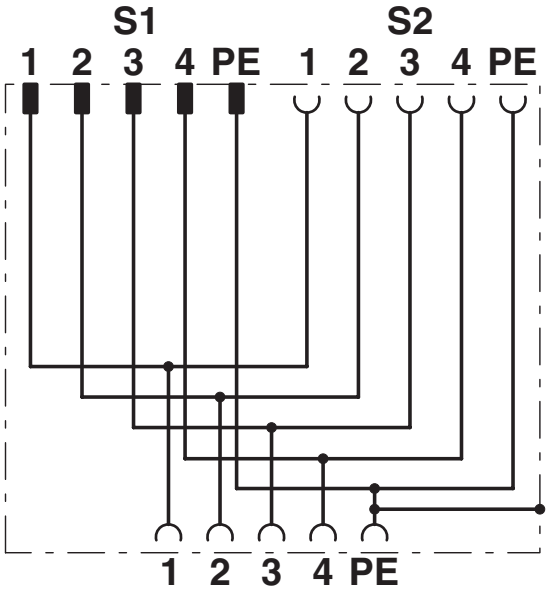
Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

Standards and regulations

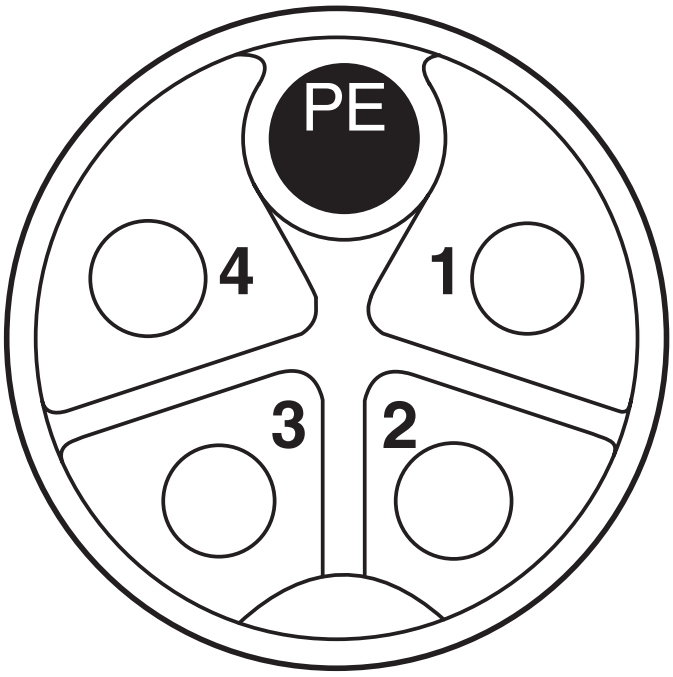
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-111

Drawings

Circuit diagram

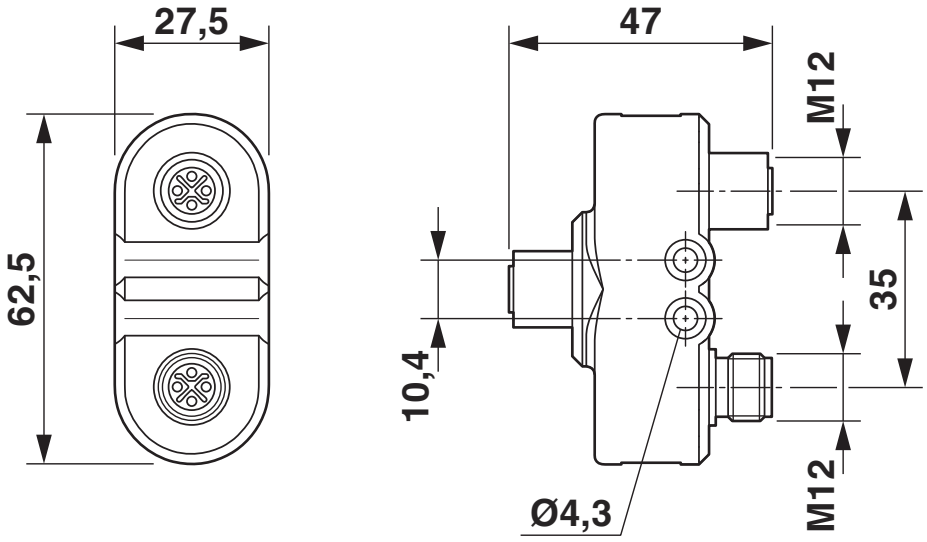


Schematic diagram



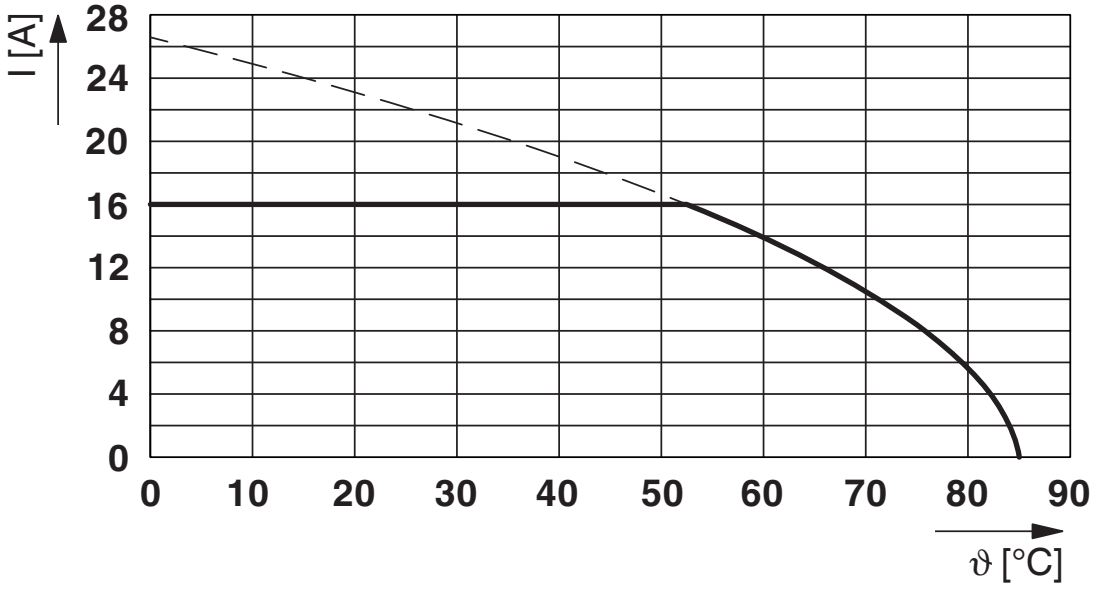
Pin assignment of M12 socket, 4-pos.+PE, K-coded, socket side view

Dimensional drawing



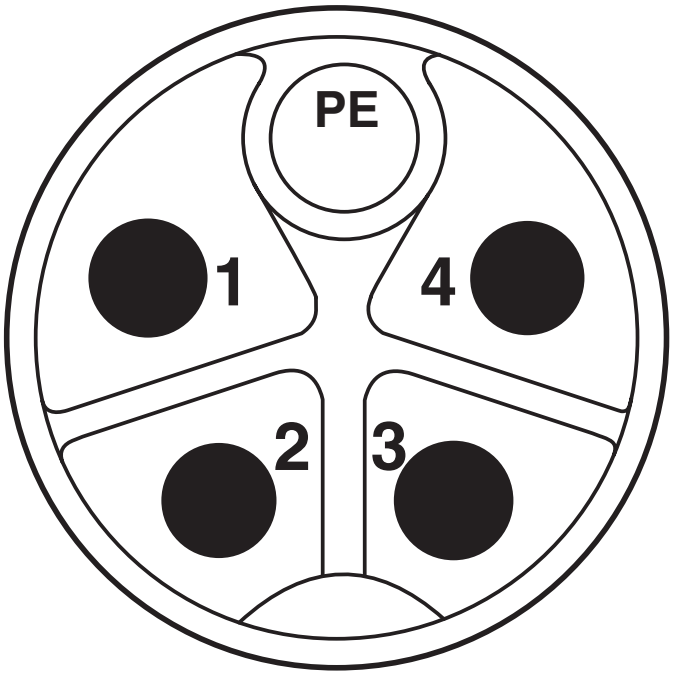
M12 Y distributor

Diagram



Current carrying capacity

Schematic diagram



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

Approvals

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

EAC
Approval ID: RU C-DE.BL08.B.00511

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, 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%

Accessories

UCT-EM (7X10) - Snap-in markers

0830765

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Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 7 x 10 mm, Number of individual labels: 30

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