IPD Y 5P2,5 BK - Y distributor

1499533

https://www.phoenixcontact.com/us/products/1499533

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Y distributor, number of positions: 4+PE, 600 V, 17.5 A, black, coding: P



Your advantages

- Easy distribution of power, as components are plugged directly
- Simple, time-saving wiring in the field with Push-Lock connection
- Reliable installation in harsh environments with IP66, IP68, and IP69K throughout the entire system
- Secure, tool-free locking even in particularly difficult installation situations
- Fast commissioning with preassembled cable assemblies

Commercial data

Item number	1499533
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF51
Product key	AF6MAA
GTIN	4063151955533
Weight per piece (including packing)	171 g
Weight per piece (excluding packing)	171 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Mounting material is not supplied as standard.

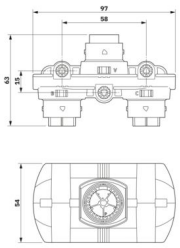
Product properties

Product type	Power distributor
Product family	IPD
Type	Y distributor
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE
Coding	P

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	97 mm
Height	54 mm
Length	63 mm

Electrical properties

Rated surge voltage (III/3)	6 kV
Rated current	17.5 A
Rated voltage (III/3)	600 V
Nominal voltage U_N	600 V AC
	600 V DC
Nominal current I_N	17.5 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50 (IP66/IP68/IP69K)
	100 (IP66)

Material specifications

Color (Housing)	black (RAL 9005)
Flammability rating according to UL 94 (Housing)	V0

Cable/line

Position marking	1, 2, 3, N, PE

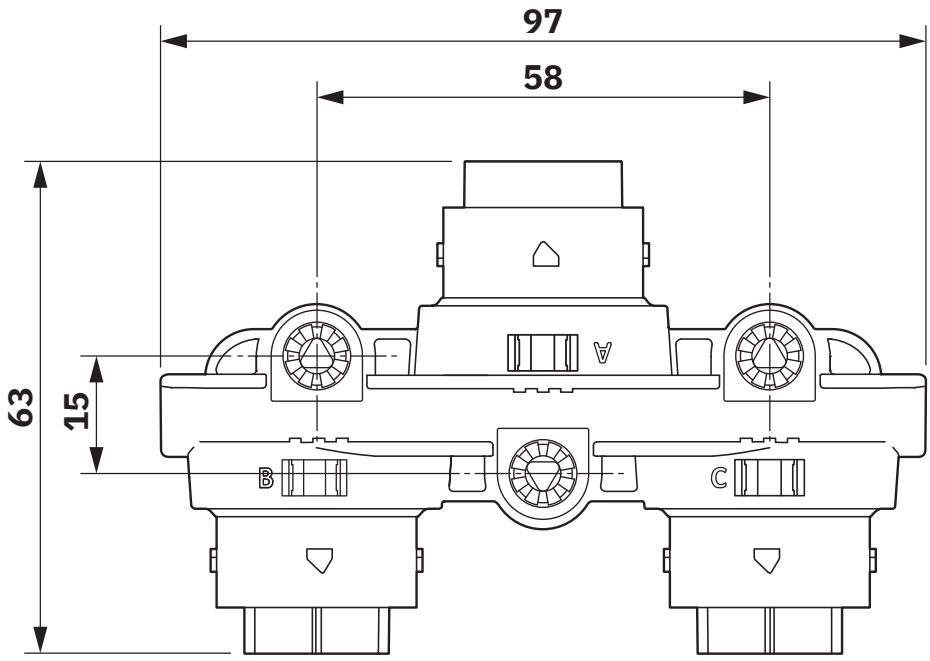
Environmental and real-life conditions

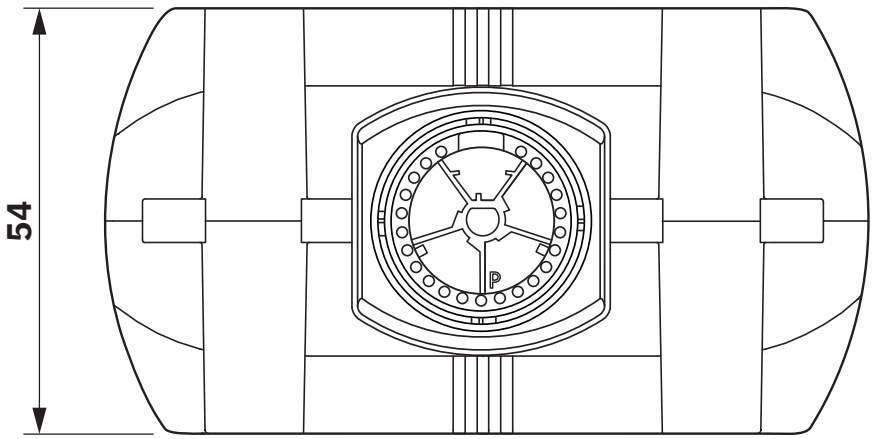
Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-30 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Resistance to UV radiation	yes

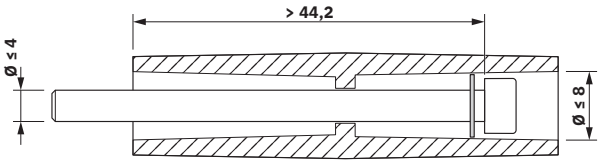
Drawings

Dimensional drawing



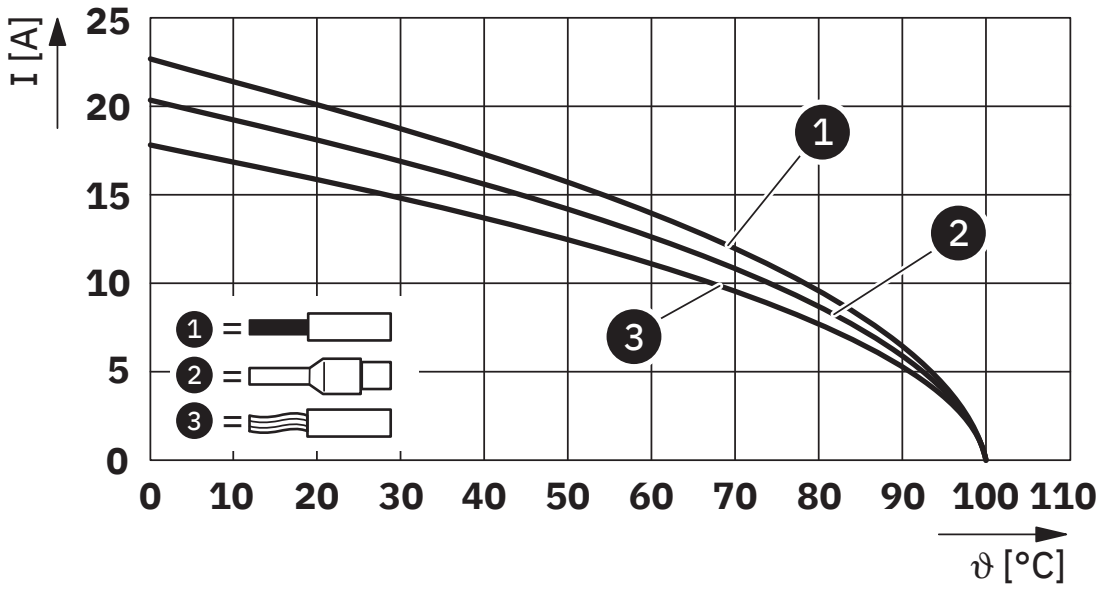


Dimensional drawing



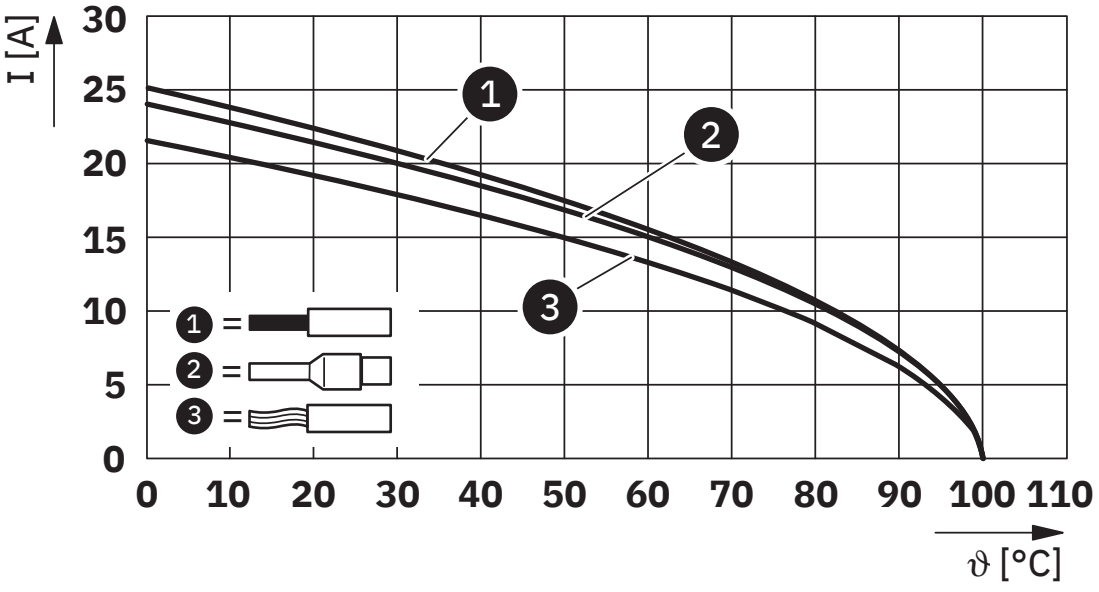
Screw fixing (mounting material not supplied as standard)

Diagram



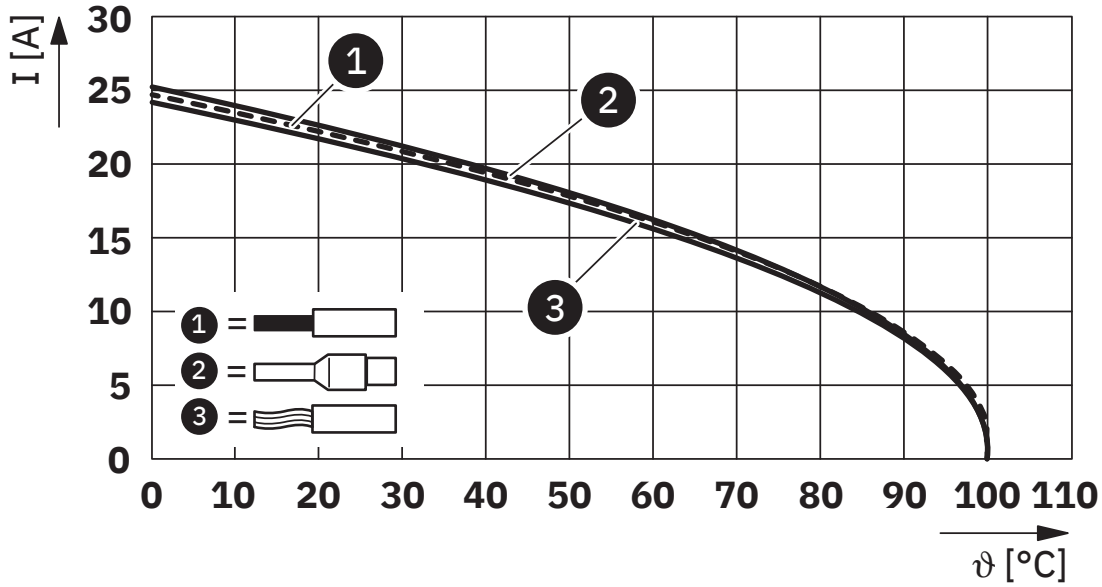
Derating diagram for 1.0 mm^2

Diagram



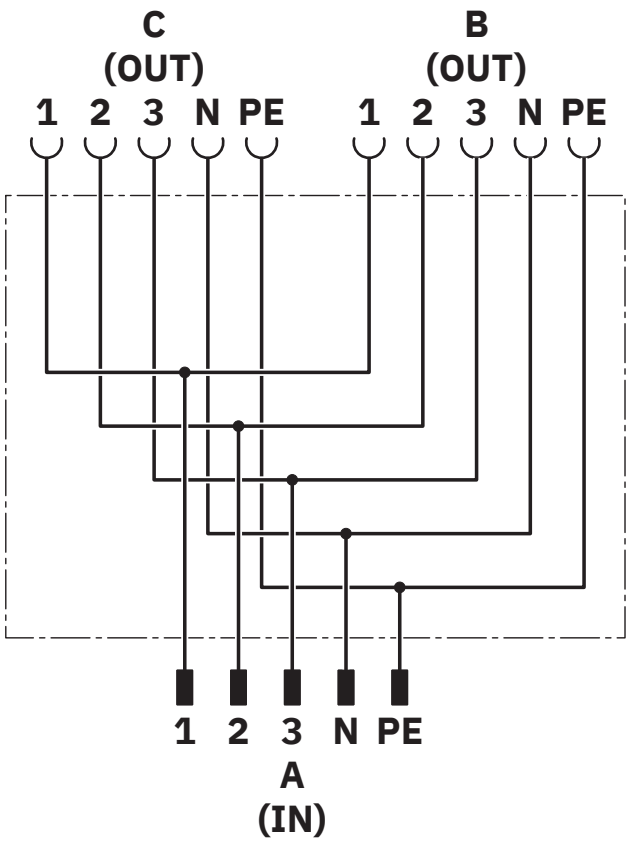
Derating diagram for 1.5 mm^2

Diagram



Derating diagram for 2.5 mm^2

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1499533

VDE Zeichengenehmigung
Approval ID: 40059408

UL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	20 A	-	-

cUL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	19 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440603
ECLASS-15.0	27440603

ETIM

ETIM 10.0	EC002567

UNSPSC

UNSPSC 21.0	39121400

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