

1080244

https://www.phoenixcontact.com/us/products/1080244

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H distributor, 4-position, shielded, Plug straight M12, coding: T, on Socket straight M12, coding: T and Socket straight M12, coding: T, for direct current up to 16 A/63 V, Parallel distributor



### Your advantages

• High-performance: DC connectors for up to 16 A and 63 V DC

#### Commercial data

Item number	1080244
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	BF1GAP
GTIN	4055626802572
Weight per piece (including packing)	130.2 g
Weight per piece (excluding packing)	130.2 g
Customs tariff number	85366990
Country of origin	DE



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### 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.
Notes on the product family	UL approval in preparation

### Product properties

Product type	H-distributor
Application	Power supply
Number of positions	4
No. of cable outlets	3
Shielded	yes
Coding	Т
Thread type	M12

#### Data management status

Article revision	00
Alticle revision	UU

#### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Nominal voltage U <sub>N</sub>	63 V DC
Nominal current I <sub>N</sub>	16 A (at 40 °C)

### Signaling

Status display	no
Status display present	No

#### **Dimensions**

Dimensional drawing	27.5 28 29 20 20 20 20 20 20 20 20 20 20
Width	28 mm
Height	47 mm
Length	80 mm
Center distance	35 mm

## Material specifications



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Material	CuZn (Pin contact)
	(Female contact)
Flammability rating according to UL 94	V0
Seal material	NBR
Material of grip body	PBT
Contact surface material	Au
Contact carrier material	PBT
Material for screw connection	Brass, nickel-plated

#### Connector

#### Connection 1

Туре	Plug straight M12
Coding type	Т

#### Connection 2

Coding type T	Туре	Socket straight M12
	Coding type	T

#### Connection 3

Туре	Socket straight M12
Coding type	Т

### 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

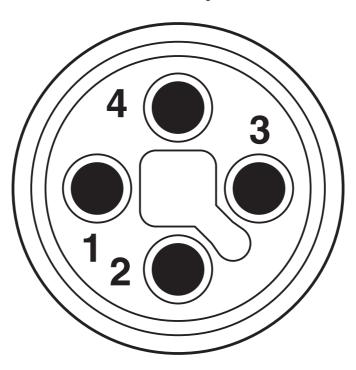


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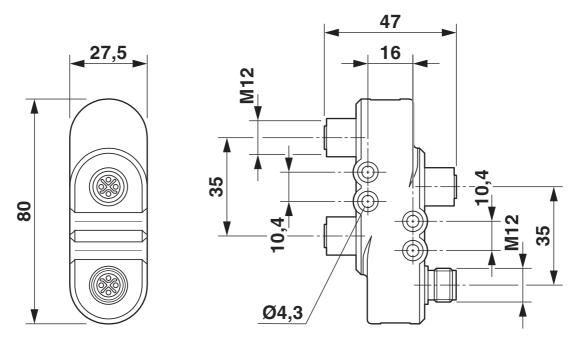
## Drawings





Pin assignment for M12 plug, 4-pos., T-coded, view of plug side

Dimensional drawing

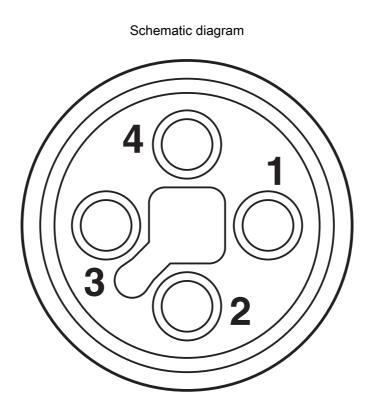


M12 H-distributor

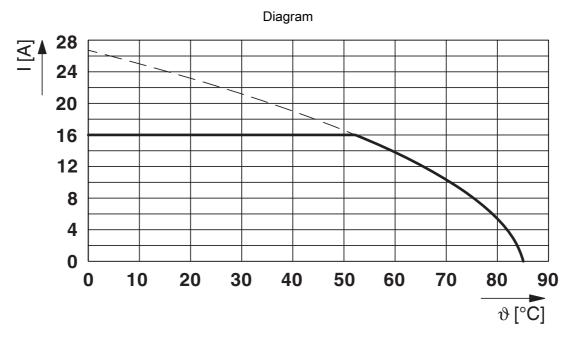


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Pin assignment of M12 socket, 4-pos., T-coded, socket side view

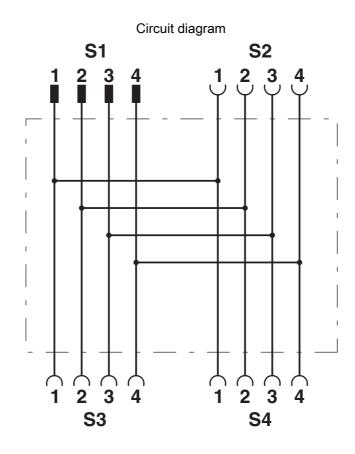


Current carrying capacity



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## Classifications

#### **ECLASS**

	ECLASS-11.0	27440106		
	ECLASS-12.0	27440106		
	ECLASS-13.0	27440106		
ETIM				
	ETIM 9.0	EC002925		
UNSPSC				
	UNSPSC 21.0	31251500		



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## 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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