

SAC-4P-M12T/2XM12 CCL - T distributor



1559783

<https://www.phoenixcontact.com/us/products/1559783>

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T distributor, CC link, 4-position, unshielded, Plug straight M12, coding: A, on Socket straight M12, coding: A and Socket straight M12, coding: A, Parallel distributor

Commercial data

Item number	1559783
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	BF1GAA
Catalog page	Page 436 (C-2-2019)
GTIN	4046356322164
Weight per piece (including packing)	24.88 g
Weight per piece (excluding packing)	24 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	T-distributor
Sensor type	CC link
Number of positions	4
No. of cable outlets	2
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 A

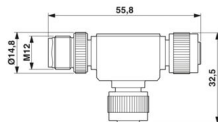
Interfaces

Signal type/category	CC link
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Signaling

Status display	no
Status display present	No

Dimensions

Dimensional drawing	
Width	33 mm
Height	14.8 mm
Length	55.8 mm

Material specifications

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

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Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

Connector

Connection 1

Type	Plug straight M12
Coding type	A

Connection 2

Type	Socket straight M12
Coding type	A

Connection 3

Type	Socket straight M12
Coding type	A

Cable/line

Signal type/category	CC link
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP68
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)

Standards and regulations

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

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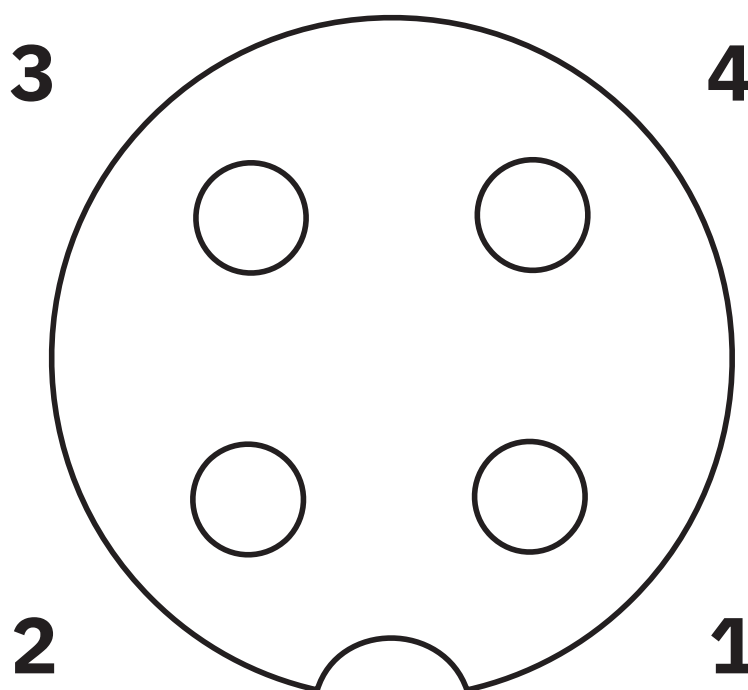
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Drawings

Schematic diagram



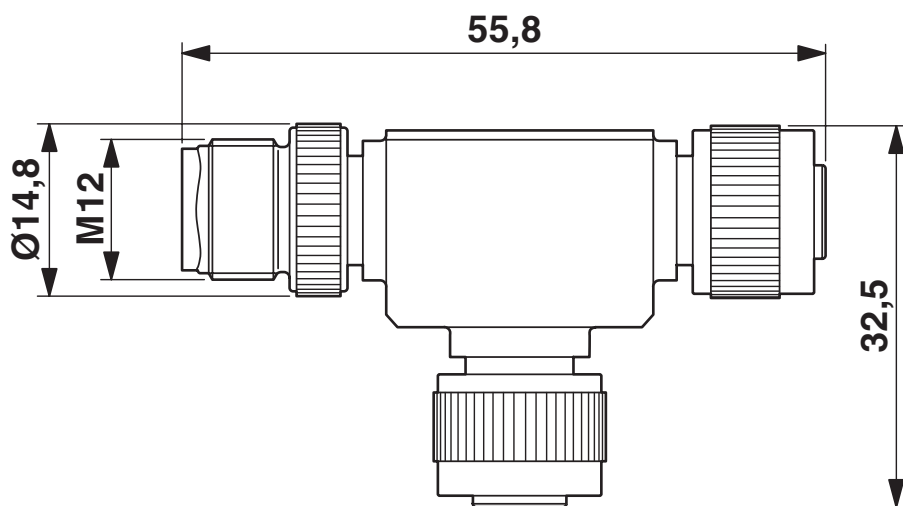
Pin assignment M12 socket, 4-pos., A-coded, view female side

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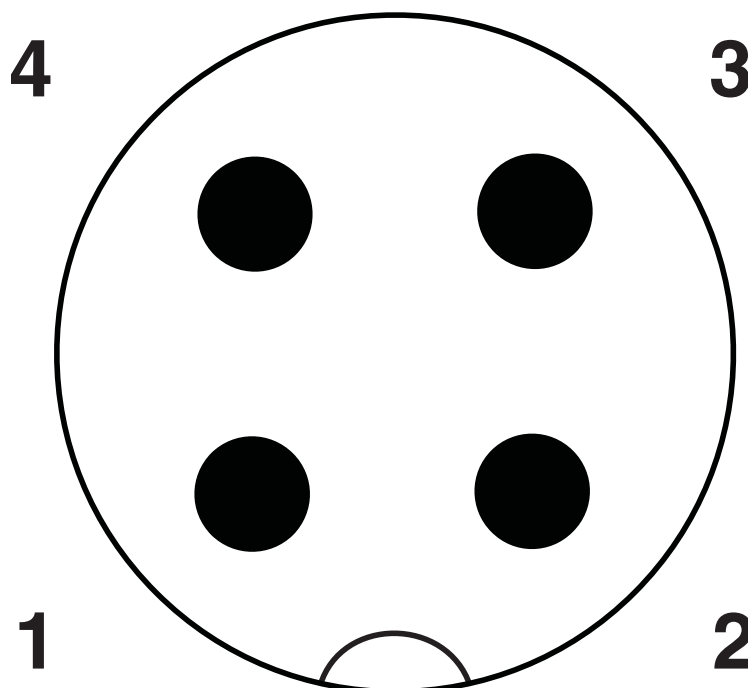
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Dimensional drawing



M12 T-distributor

Schematic diagram



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

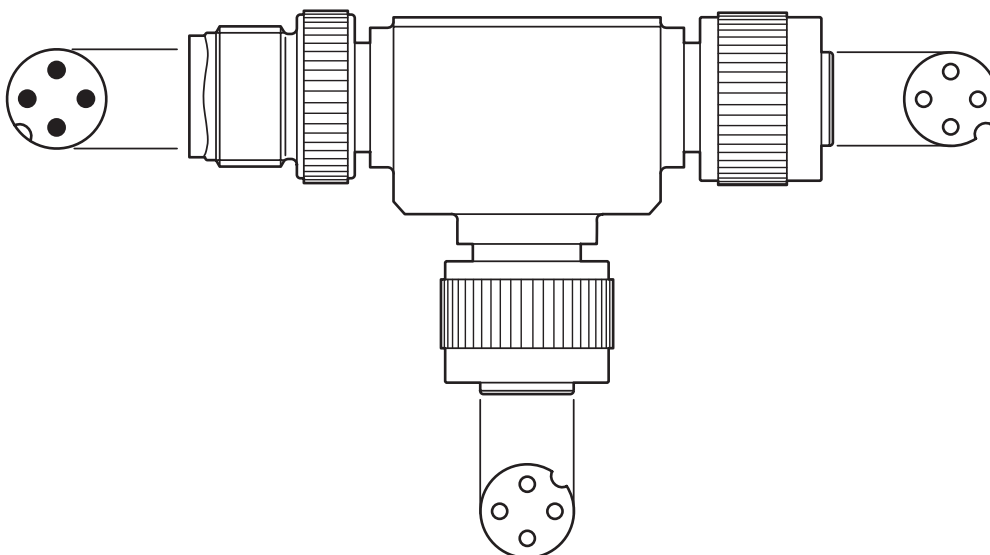
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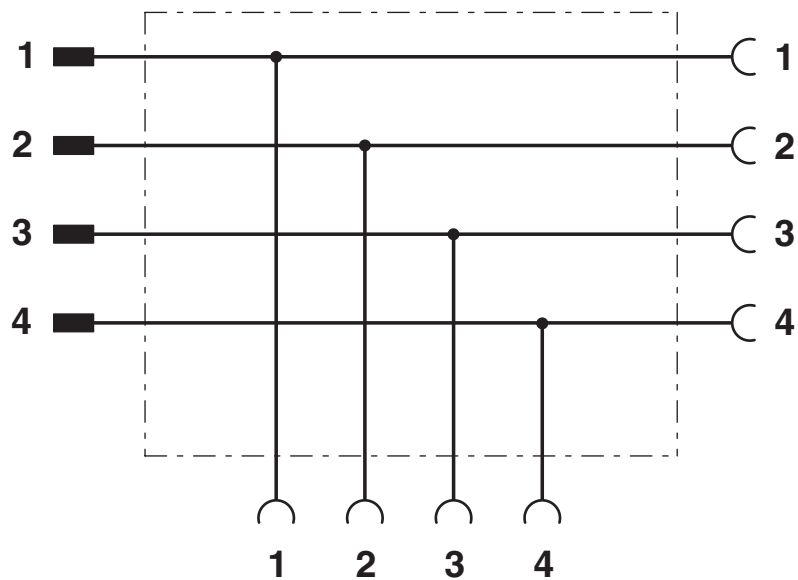


Schematic diagram



Layout of connector pin assignments

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1559783>



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

	UL Listed Approval ID: E221474			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	4 A	-	-

	cUL Listed Approval ID: E221474			
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	4 A	-	-

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27440106
ECLASS-12.0	27440106
ECLASS-13.0	27440106

ETIM

ETIM 9.0	EC002925
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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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Accessories

PROT-M12 - Screw plug

1680539

<https://www.phoenixcontact.com/us/products/1680539>



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FS - Sealing cap

1560251

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M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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PROT-M12 MS-PA-CHAIN - Screw plug

1430899

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M12 sealing cap with fixing band, for sensor cables, for free M12 sockets



PROT-M12 FS-PA-CHAIN - Sealing cap

1430873

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M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 plugs



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TSD 04 SAC - Torque screwdriver

1208429

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Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

SAC BIT M12-D15 - Tool

1208432

<https://www.phoenixcontact.com/us/products/1208432>



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

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