SAC-ASI-J-Y-B-PUR-1,0-FR SCO - Distributor

1407577

https://www.phoenixcontact.com/us/products/1407577

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AS-Interface distributor with a high degree of protection, for a branch from two flat-ribbon conductors to a 1.0 m PUR round cable with angled M12-SPEEDCON socket

Commercial data

Item number	1407577
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GFA
GTIN	4046356779975
Weight per piece (including packing)	80 g
Weight per piece (excluding packing)	76.68 g
Customs tariff number	85444290
Country of origin	VN

Technical data

Product properties

Product type	Network distributor box
Number of positions	4
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Nominal voltage U_N	≤ 32 V DC
Nominal current I_N	4 A
Transmission medium	Copper

Connection data

Connection technology

Connection method	AS-i penetration technique

Connection assignment

Contact | Color (signal designation) | Contact (optional)	1 (M12 socket) | BN (AS-i+) | 3.1 (AS-i distributors)
	2 (M12 socket) | WH (AUX-) | 4.2 (AS-i distributors)
	3 (M12 socket) | BU (AS-i-) | 3.2 (AS-i distributors)
	4 (M12 socket) | BK (AUX+) | 4.1 (AS-i distributors)
	5 (M12 socket) | N.C.

Interfaces

Signal type/category	CANopen®
	DeviceNet™

Signaling

Status display	no
Status display present	no

Connector

Connection 1

Type	Load center lateral AS-i Screw locking
Number of positions	4
Locking type	Screw locking mechanism
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PBT (Contact carrier)
	PBT (Housing)

	Stainless steel (Screw connection)
Tightening torque	1.65 Nm (Locking screw)

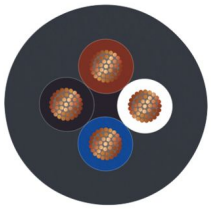
Connection 2

Type	Socket angled M12 SPEEDCON
Number of positions	4 (5)
Locking type	SPEEDCON
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	TPU GF (Contact carrier)
	TPU (Grip body)
	Zinc die-cast, nickel-plated (Screw connection)
Insertion/withdrawal cycles	≥ 100
Tightening torque	0.4 Nm

Cable/line

Cable length	1 m

PUR halogen-free black [PUR]

Dimensional drawing	
UL AWM Style	20549 / 10493
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	42x 0.10 mm
AWG signal line	22
Conductor cross-section	4x 0.34 mm² (Signal line)
Wire diameter incl. insulation	1.25 mm ±0.05 mm
External cable diameter	4.30 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	brown, white, blue, black
Overall twist	4 wires, twisted
Ambient temperature (operation)	-40 °C ... 80 °C (fixed routing)
	-25 °C ... 80 °C (Flexibly installed)

Environmental and real-life conditions

Ambient conditions

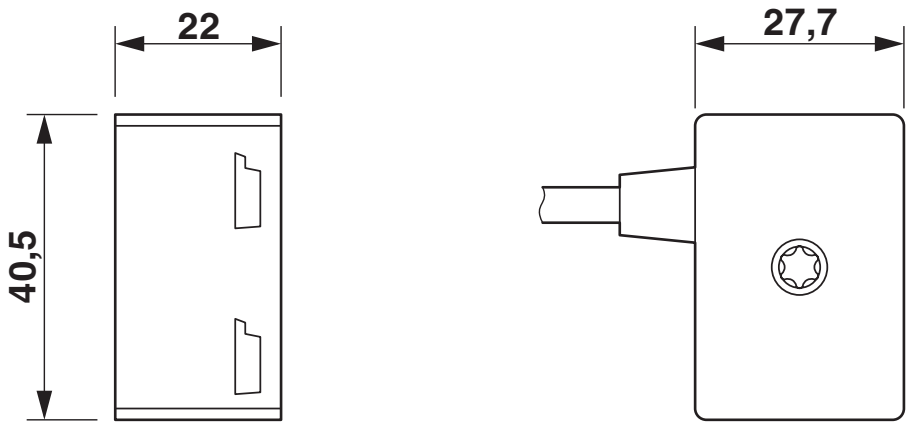
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 75 °C
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 80 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 80 °C (cable, fixed installation)
Ambient temperature (storage/transport)	-25 °C ... 85 °C

Standards and regulations

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

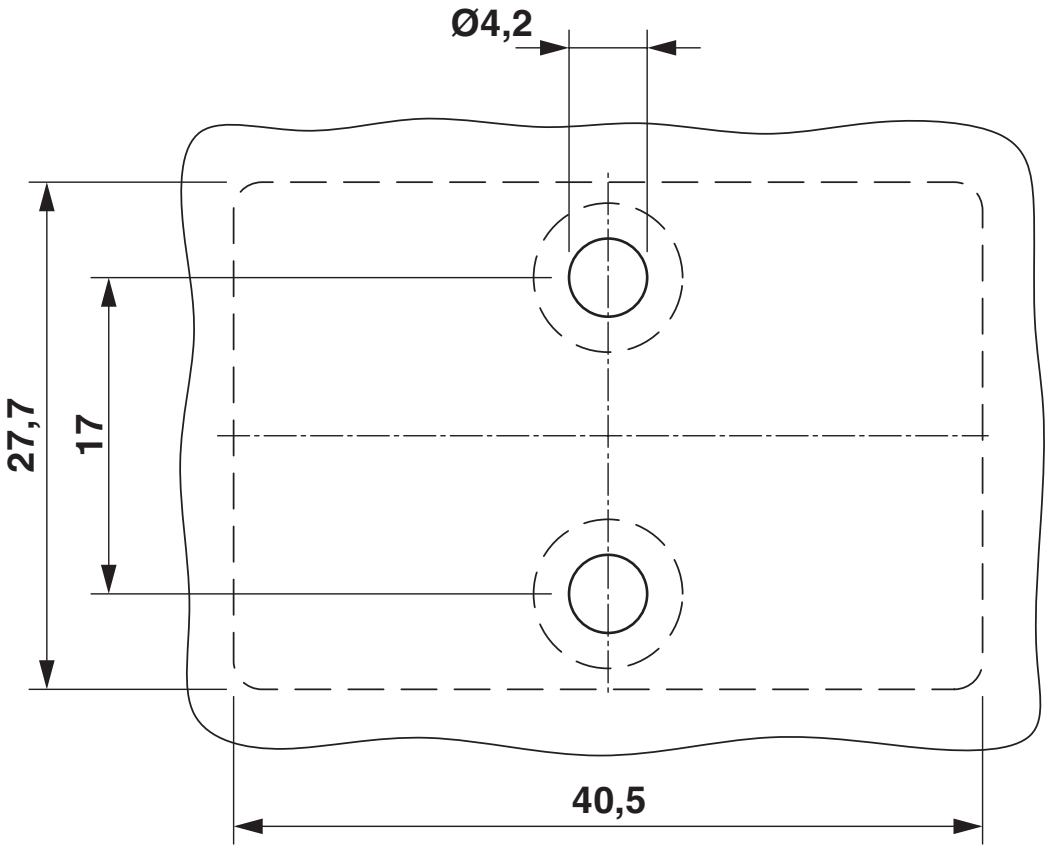
Drawings

Dimensional drawing



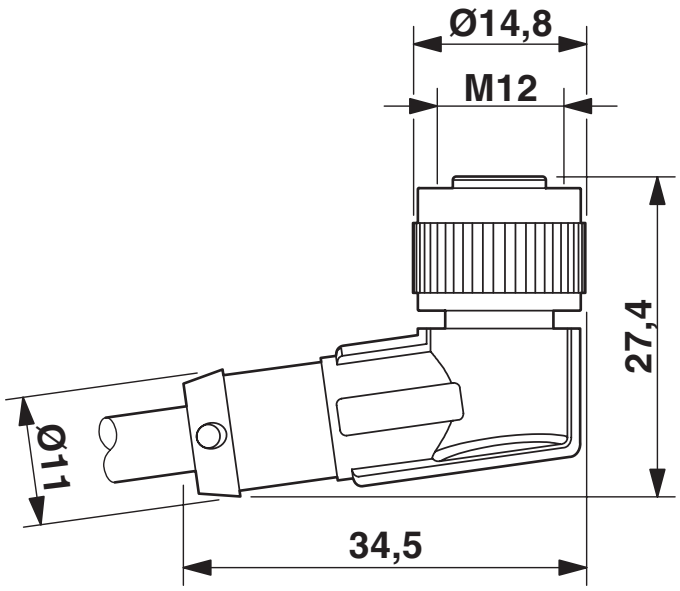
Distributor, AS-Interface

Dimensional drawing



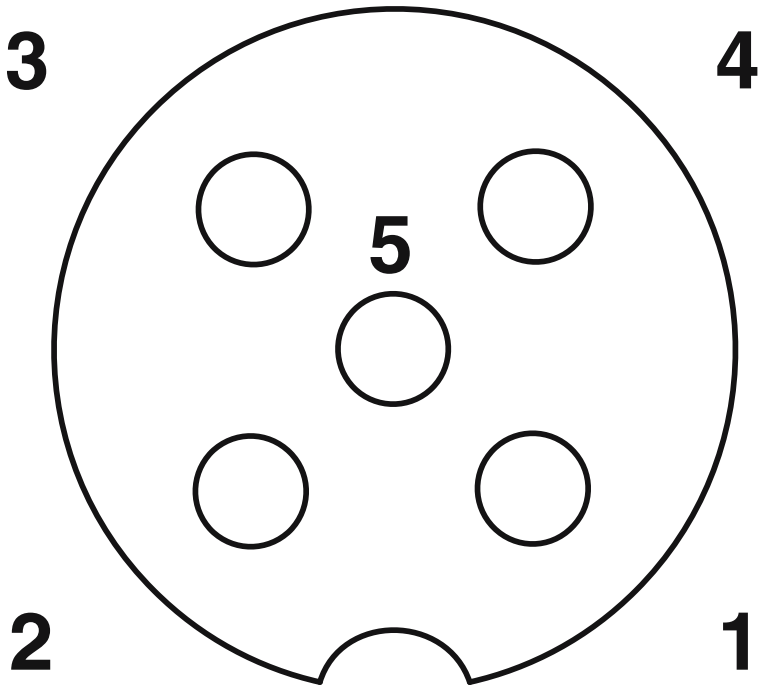
Distance and position of the mounting holes

Dimensional drawing



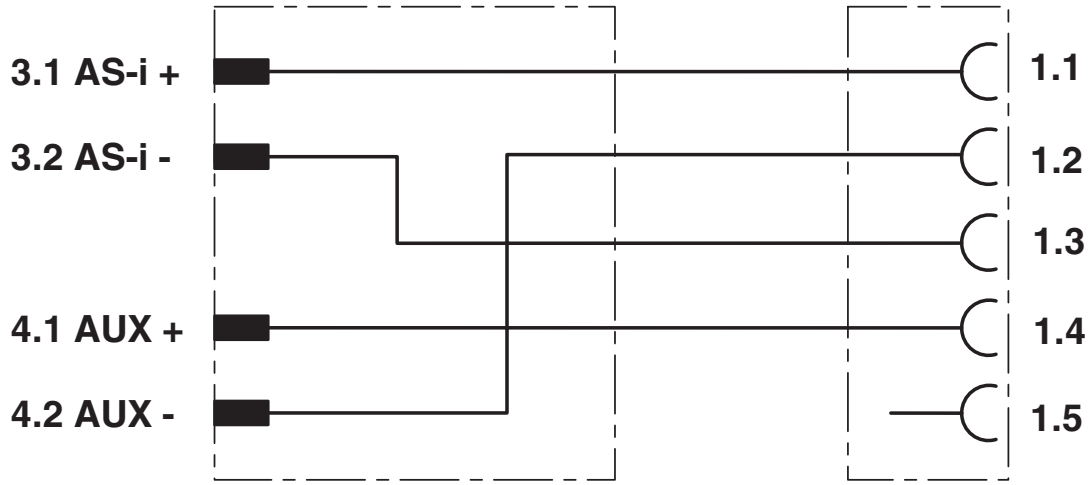
M12 x 1 socket, angled

Schematic diagram



Pin assignment M12, PIN 1: AS-i +, PIN 2: AUX -, PIN 3: AS-i -, PIN 4: AUX +, PIN 5: Not used

Circuit diagram



Contact assignment of the AS-Interface distributor

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-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

EF3.1 Climate Change

CO2e kg	1.769 kg CO2e

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