

1405619

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AS-Interface distributor with a high degree of protection, for a branch from one flat-ribbon conductor to one straight, A-coded, 2-pos. M12 socket

Commercial data

Item number	1405619
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	BF1GFA
Catalog page	Page 440 (C-2-2019)
GTIN	4046356754958
Weight per piece (including packing)	44.857 g
Weight per piece (excluding packing)	44 g
Customs tariff number	85366990
Country of origin	VN

Technical data

Product properties

Product type	Network distributor box
Number of positions	2
Coding	A

Insulation characteristics

Overvoltage category	III
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
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Pin assignment

Contact Color (signal designation) Contact (optional)	1 (M12 socket) (AS-i+) 3.1 (AS-i distributors)
	2 (M12 socket) N.C.
	3 (M12 socket) (AS-i-) 3.2 (AS-i distributors)
	4 (M12 socket) N.C.
	5 (M12 socket) N.C.

Interfaces

Bus system	AS-Interface
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Signaling

Status display	No
Status display present	No

Material specifications

Material Housing	PBT
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Connector

Connection 1

Type	Load center AS-i Screw locking
Number of positions	2
Locking type	Screw locking mechanism
Material	CuSn (Contact) Ni/Au (Contact surface)

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	PBT (Contact carriers)
	PBT (Housing)
	Stainless steel (Screw connection)
Tightening torque	1.65 Nm (Locking screw)

Connection 2

Type	Socket straight M12
Number of positions	2 (5)
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	TPE-U (Contact carriers)
	Zinc die-cast, nickel-plated (Screw connection)
Insertion/withdrawal cycles	≥ 100
Tightening torque	0.4 Nm

Environmental and real-life conditions

Ambient conditions

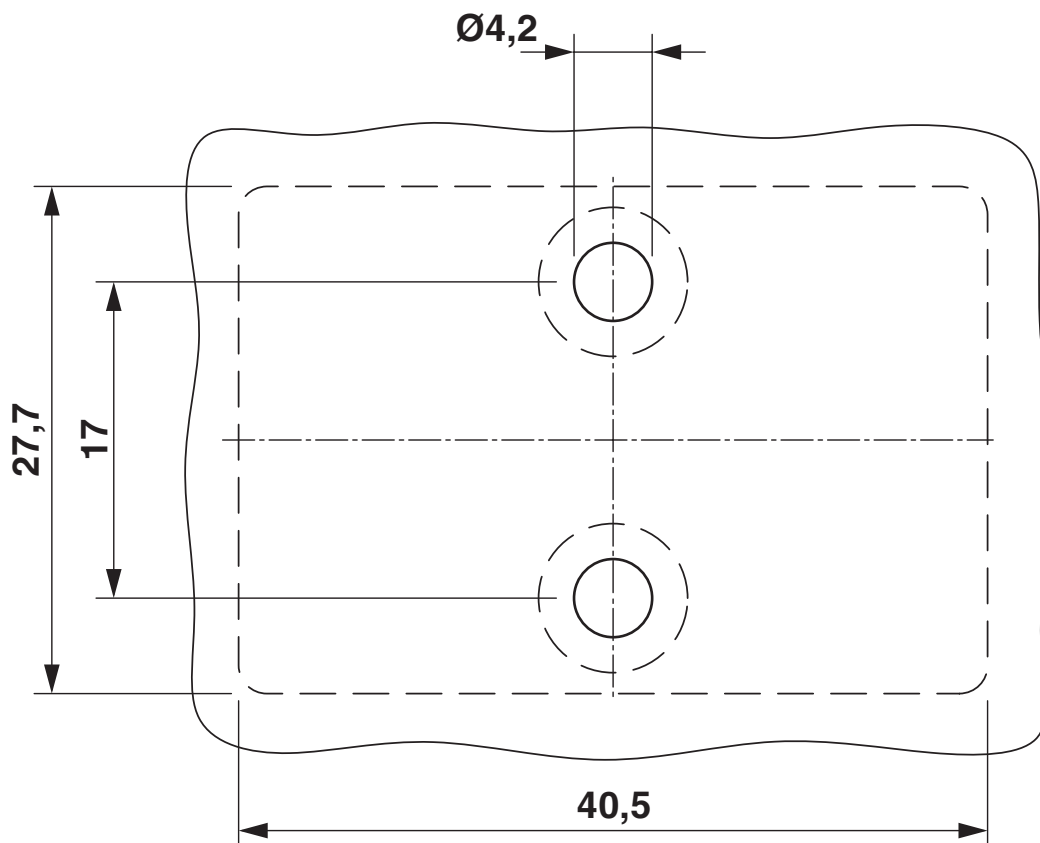
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 75 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

Standards and regulations

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

Drawings

Dimensional drawing

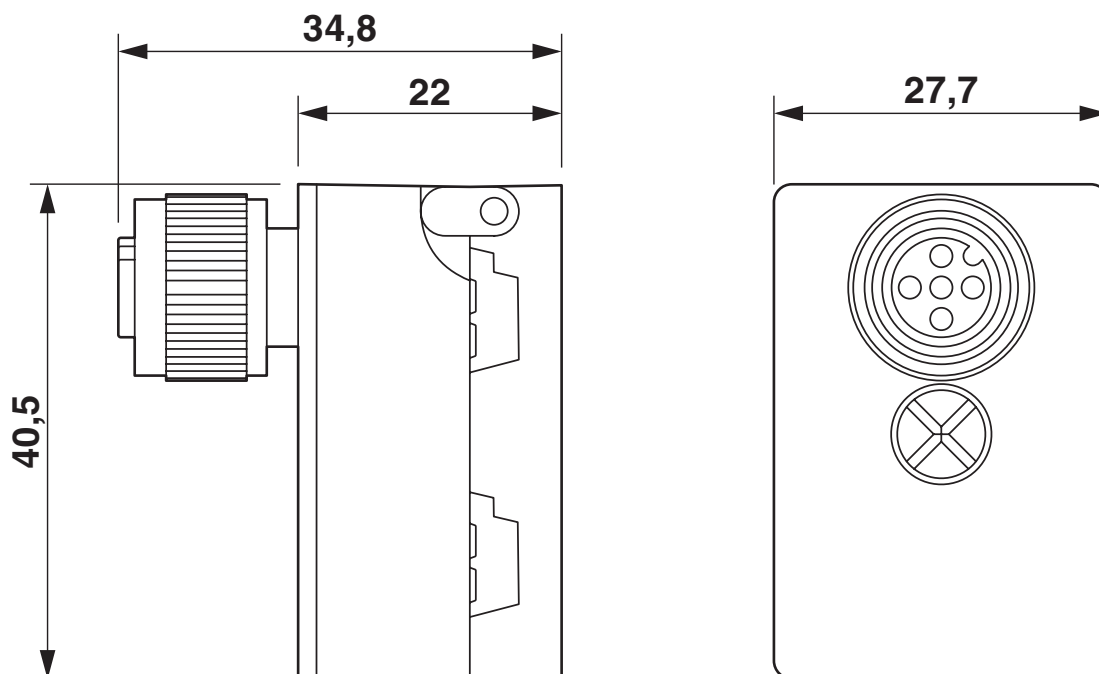


Distance and position of the mounting holes

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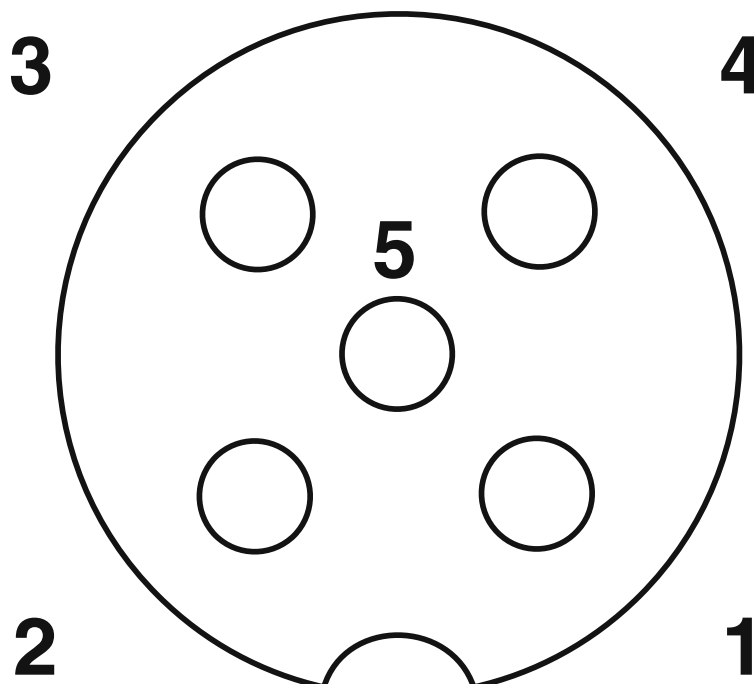
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Dimensional drawing



Distributor, AS-Interface

Schematic diagram

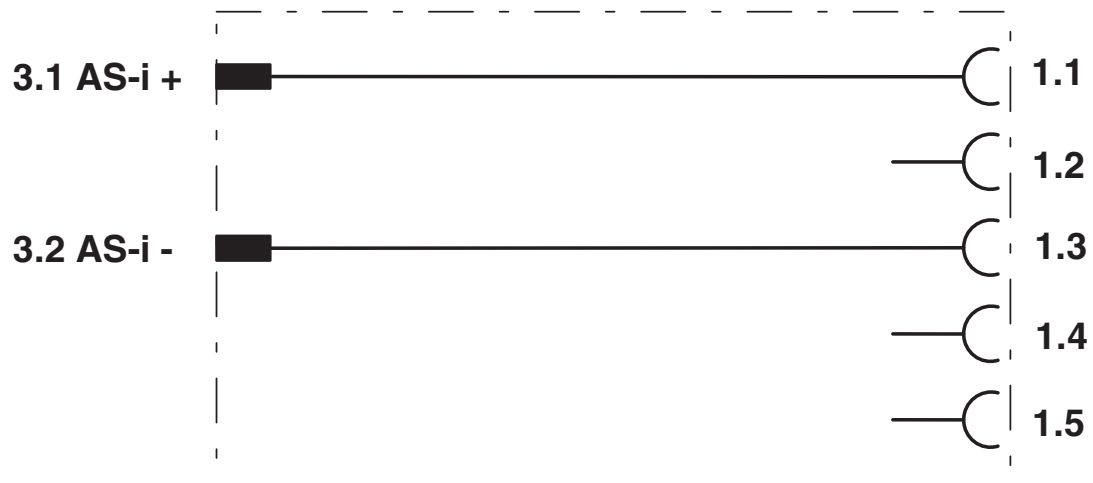


Pin assignment M12, PIN 1: AS-i +, PIN 3: AS-i -, PIN 2,4,5: Not used

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Circuit diagram



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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
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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Accessories

SAC-4P-MS/ 0,3-186/FS SCO - Sensor/actuator cable

1555680

<https://www.phoenixcontact.com/us/products/1555680>



Sensor/actuator cable, 4-position, PUR, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A

SAC-4P-MS/ 0,5-186/FS SCO - Sensor/actuator cable

1555693

<https://www.phoenixcontact.com/us/products/1555693>



Sensor/actuator cable, 4-position, PUR, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A

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SAC-4P-MS/ 1,0-186/FS SCO - Sensor/actuator cable

1555703

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Sensor/actuator cable, 4-position, PUR, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A

SAC-4P-MS/ 2,0-186/FS SCO - Sensor/actuator cable

1555716

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Sensor/actuator cable, 4-position, PUR, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A

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SAC-4P-MS/ 5,0-186/FS SCO - Sensor/actuator cable

1555729

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Sensor/actuator cable, 4-position, PUR, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A

SAC-4P-MS/10,0-186/FS SCO - Sensor/actuator cable

1555732

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Sensor/actuator cable, 4-position, PUR, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A

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SAC-4P-MS/15,0-186/FS SCO - Sensor/actuator cable

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Sensor/actuator cable, 4-position, PUR, black-gray RAL 7021, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A

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

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SZK PH2 VDE - Screwdriver

1205163

<https://www.phoenixcontact.com/us/products/1205163>



Screwdriver, PH crosshead, VDE insulated, size: PH 2 x 100 mm, 2-component grip, with non-slip grip

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