

SAC-ASI-JL-Y-N-M12FS - Distributor



1666636

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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	1666636
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	AF1GFA
GTIN	4067923232976
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Country of origin	DE

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	≤ 48 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.

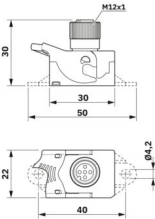
Interfaces

Bus system	AS-Interface
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Signaling

Status display	no
Status display present	No

Dimensions

Dimensional drawing	
Width	22 mm
Height	30 mm

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Length	50 mm
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Material specifications

Material Housing	PBT
Seal material	NBR
Material of grip body	PA 6.6

Connector

Connection 1

Type	Load center AS-i Leverage
Number of positions	2
Locking type	Leverage
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PBT (Contact carriers)
	PBT (Housing)

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

Environmental and real-life conditions

Ambient conditions

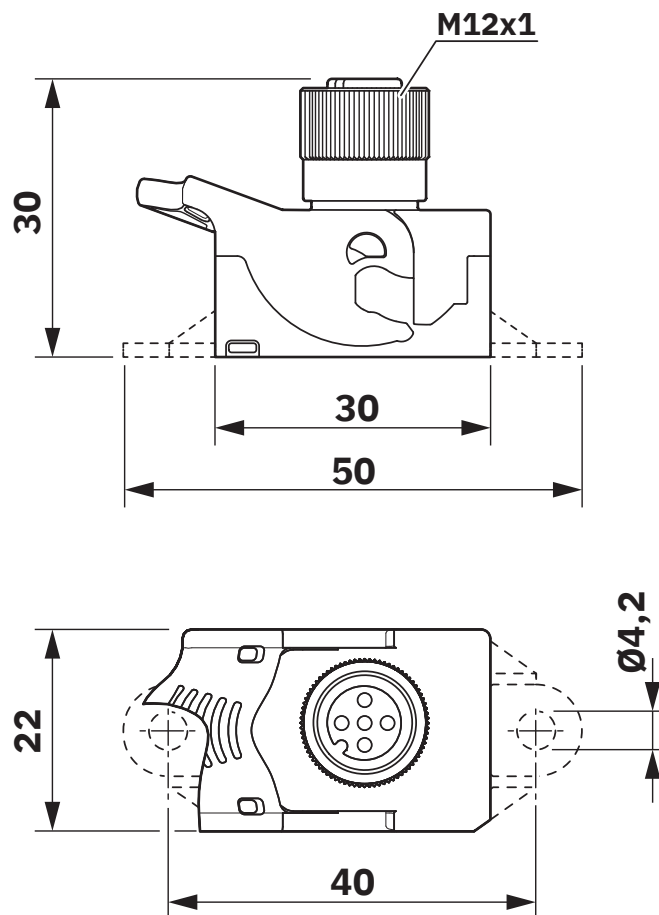
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 75 °C

Standards and regulations

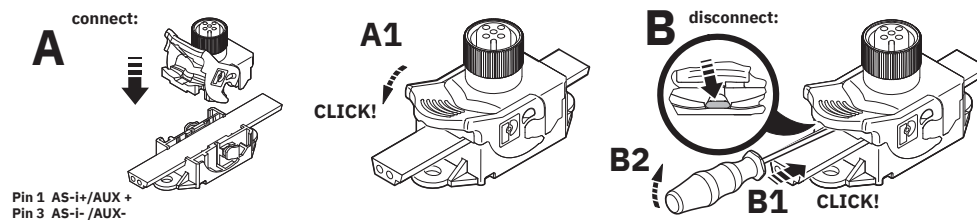
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

Drawings

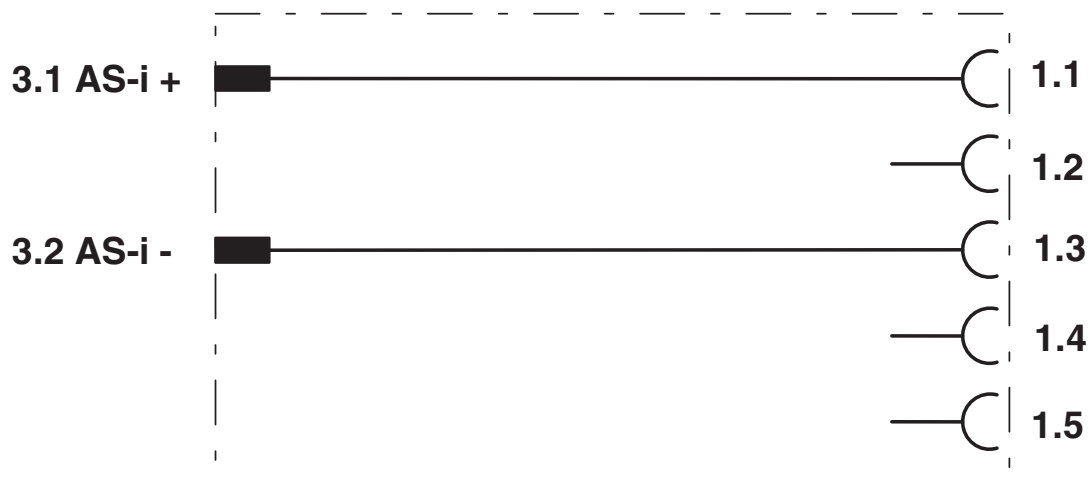
Dimensional drawing



Functional drawing

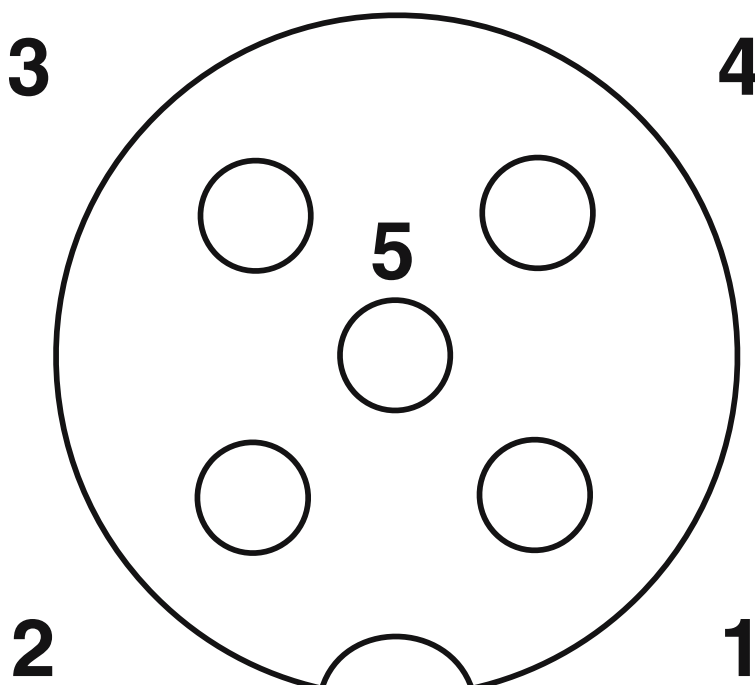


Circuit diagram



Contact assignment of the AS-Interface distributor

Schematic diagram



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

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Classifications

ECLASS

ECLASS-11.0	27440106
ECLASS-13.0	27440106

ETIM

ETIM 9.0	EC002925
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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

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

1555680

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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, cable length: 0.3 m

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

1555693

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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, cable length: 0.5 m

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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, cable length: 1 m

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, cable length: 2 m

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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, cable length: 5 m

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, cable length: 10 m

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

1555745

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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, cable length: 15 m

PROT-M12 - Screw plug

1680539

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

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