SAC-ASI-J-Y-B-PUR-2,0-FR SCO - Distributor

1407578

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AS-Interface distributor with a high degree of protection, for a branch from two flat-ribbon conductors to a 2.0 m PUR round cable with angled M12-SPEEDCON socket

Commercial data

Item number	1407578
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	BF1GFA
Catalog page	Page 439 (C-2-2019)
GTIN	4046356779982
Weight per piece (including packing)	104.9 g
Weight per piece (excluding packing)	104.9 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

Pin 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

Bus system	AS-Interface

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 carriers)
	PBT (Housing)
	Stainless steel (Screw connection)

Tightening torque	1.65 Nm (Locking screw)
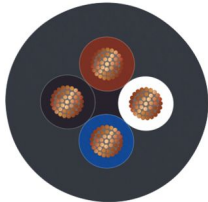
Connection 2

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

Cable/line

Cable length	2 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
	-25 °C ... 80 °C (Cable, flexible 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

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002925

UNSPSC

UNSPSC 21.0	31251500

Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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