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Distributor - SAC-ASI-J-Y-B-PUR-1,0-FS SCO - 1407575


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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 straight M12-SPEEDCON socket



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 779951
GTIN	4046356779951

Technical data

Mechanical characteristics

Number of positions	4
Shielded	No
Insertion/withdrawal cycles	≥ 100 (M12 connector)
Connection method	AS-i penetration technique
Cable diameter	4.30 mm
Length of cable	1 m
Color	black
Tightening torque, min.	1.65 Nm
Degree of protection	IP65/IP67

Ambient conditions

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

Material data

Distributor - SAC-ASI-J-Y-B-PUR-1,0-FS SCO - 1407575

Technical data

Material data

Housing material	PBT
Contact material	CuSn
Contact surface material	Au
Material	CuSn (M12 contact)
	TPU GF (M12 contact carrier)
	Ni/Au (M12 contact surface)
	TPU (M12 handle)
Cable gland material	Zinc die-cast, nickel-plated
Outer sheath, material	PUR
External sheath, color	black RAL 9005

Electrical characteristics

Rated voltage (III/3)	≤ 32 V
Rated current	≤ 4 A

Pin assignment

Position = wire color (signal) = position (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.

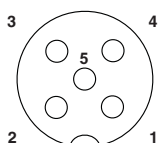
Line characteristics

Cable type	PUR halogen-free black
Cable abbreviation	LIF9Y11YFHF
UL AWM style	20549 / 10493
Conductor cross section	4x 0.34 mm ² (Signal line)
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.25 mm ±0.05 mm
External cable diameter	4.3 mm ±0.2 mm
Wire colors	brown, white, blue, black
External sheath, color	black
Transmission medium	Copper
Overall twist	4 wires, twisted
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Ambient temperature (operation)	-40 °C ... 80 °C (fixed routing)
	-25 °C ... 80 °C (Flexibly installed)

Drawings

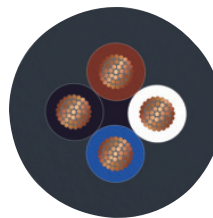
Distributor - SAC-ASI-J-Y-B-PUR-1,0-FS SCO - 1407575

Schematic diagram



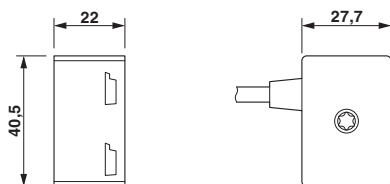
Pin assignment M12, PIN 1: AS-i +, PIN 2: AUX -, PIN 3: AS-i -, PIN 4: AUX +, PIN 5: Not used

Cable cross section



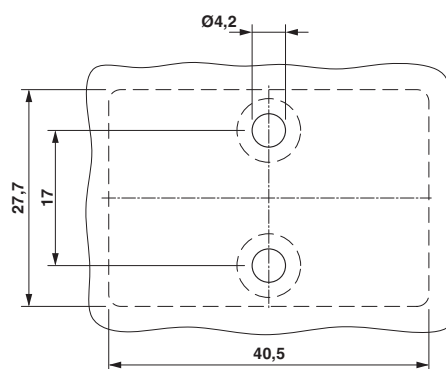
PUR halogen-free black [PUR]

Dimensional drawing



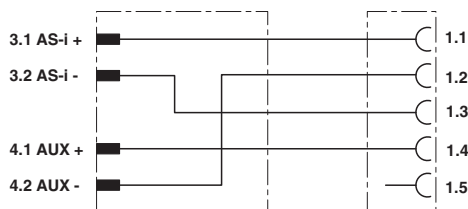
Distributor, AS-Interface

Dimensional drawing



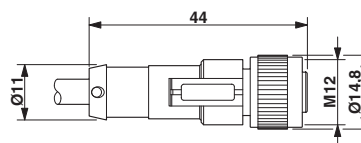
Distance and position of the mounting holes

Circuit diagram



Contact assignment of the AS-Interface distributor

Dimensional drawing



M12 x 1 socket, straight