

Distributor - SAC-ASI-J-Y-N-PUR-1,0-FS SCO - 1407573


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



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 779937 |
| GTIN | 4046356779937 |

Technical data

Mechanical characteristics

| | |
|-----------------------------|----------------------------|
| Number of positions | 2 |
| 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

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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) N.C. |
| | 3 (M12 socket) BU AS-i- 3.2 (AS-i distributors) |
| | 4 (M12 socket) N.C. |
| | 5 (M12 socket) N.C. |

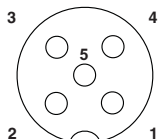
Line characteristics

| | |
|------------------------------------|---------------------------------------|
| 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

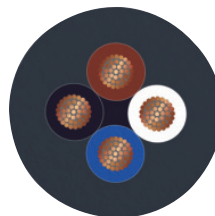
Distributor - SAC-ASI-J-Y-N-PUR-1,0-FS SCO - 1407573

Schematic diagram



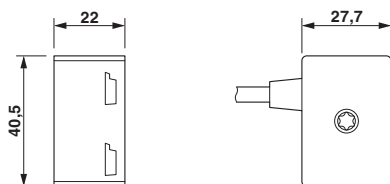
Pin assignment M12, PIN 1: AS-i +, PIN 3: AS-i -, PIN 2,4,5: Not used

Cable cross section



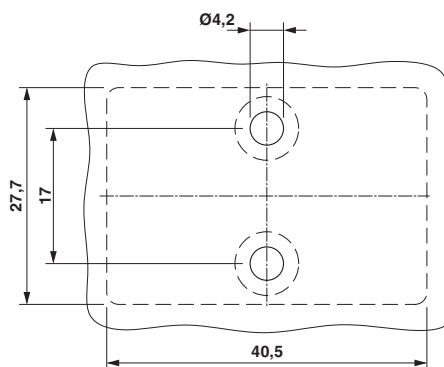
PUR halogen-free black [PUR]

Dimensional drawing



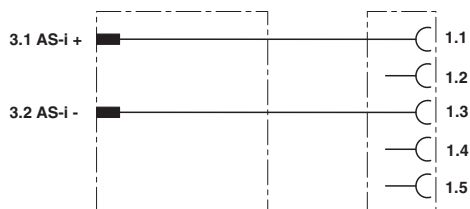
Distributor, AS-Interface

Dimensional drawing



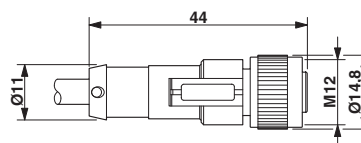
Distance and position of the mounting holes

Circuit diagram



Contact assignment of the AS-Interface distributor

Dimensional drawing



M12 x 1 socket, straight