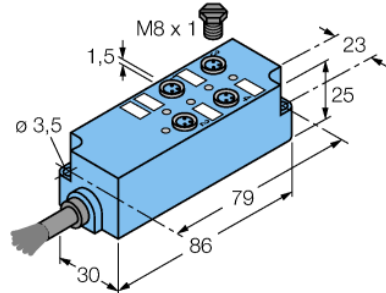
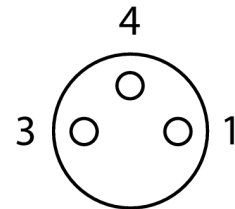


**Actuator/Sensor Box, M8 × 1/Ø 8 mm**  
**4-port Junction Box, M8 × 1, with Homerun Cable**  
**4MBM8-3P2-5/S1117**



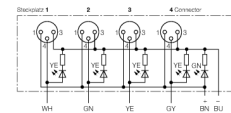
- robust, fully encapsulated actuator/sensor box
- degree of protection IP67
- double-row design for optimum handling
- also available with different cable lengths and of different materials
- PNP circuitry
- PUR cable
- PVC and halogen-free
- for demanding and high-flex applications

**Wiring Diagram**



**Cable quality S1117**

Flexible PVC and halogen-free control cable with PUR jacket and polypropylene conductor insulation. The temperature resistance ranges from 40°C up to +90°C. Oil resistance and flame retardance according to VDE 0472 are fulfilled. This cable is suited for flexible use in robot technology, tooling machines and in machining applications.



<b>Type designation</b>	4MBM8-3P2-5/S1117
Ident no.	8018120
<b>Y-Splitter</b>	4-port, with integral homerun cable
Housing	Plastic, PA 6 GF, blue
Switching function	pnp
<b>I/O port</b>	M8 x 1
Operating voltage	LED green
Display switch state	LED yellow
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
<b>Connector B</b>	Female
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, PA 6 GF, Blue
Seal	plastic, FPM/FKM
<b>Cable</b>	S1117, Lif12YH-11YH
Cable diameter	5.8mm
Cable length	5 m
Cable jacket	PUR, BK
Conductor insulation	TPE
Conductor colors	WH, GN, YE, GY BU, BN
Core cross-section	4x0.25mm <sup>2</sup>
Arrangement of strands	32x0.1mm
Core cross-section	2x0.5mm <sup>2</sup>
Litz wire arrangement	64x0.1mm
<b>Ampacity</b>	2 A per signal contact, total current 6 A
Insulation resistance	≥ 10 <sup>8</sup> Ω
Forward resistance	≤ 5 mΩ
<b>Bending radius (flexible use)</b>	> 10 x Ø