

ASi Passive Distributor

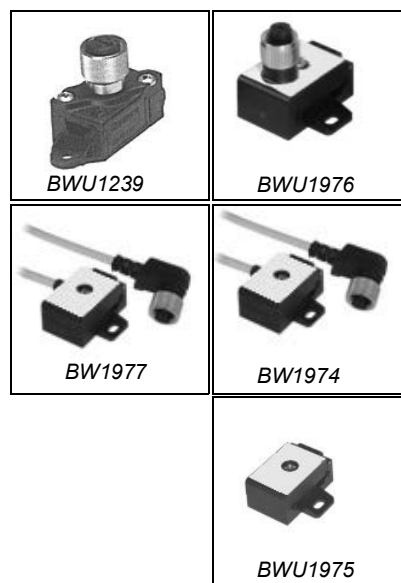
- compact design
- simple and fast mounting

BW1974, BWU1976, BW1977, BWU1975:

- immunity to vibration
- fixing component with captive screw
- gold plated contacts
- housing made of fiber optics-reinforced plastic
- reverse polarity protected and yellow marking for ASi flat cable

Oil and abrasion resistant PUR line (BW1974, BW1977)

appropriate for conveyor chains



Article no. BWU1239: Passive Distributor ASi to M12

Article no. BWU1976: Passive Distributor ASi/24 V to M12

Article no. BWU1975: Passive Distributor ASi flat cable branch

Article no. BW1977: Passive Distributor ASi to M12, 2 m line

Article no. BW1974: Passive Distributor ASi/24 V to M12, 2 m line

ASi Passive Distributors are characterized by a compact design. They offer a cost-effective, space-saving, fast and variable possibility to install many initiators or actuators on narrowest room in the type of protection IP67.

Technical data	BWU1239	BWU1976	BWU1975
Plug-and-socket connection	socket M12 x 1 (V1)		–
Flat cable terminals	1 x ASi	1 x ASi/1 x U _{AUX}	2 x ASi
	insulation penetration technology		
Rated operational voltage	≤ 35 V PELV (ASi, U _{AUX})		
Rated operational current	≤ 2 A	≤ 4 A	≤ 8 A
It can be used with a switched AUX cable, which is passively safe up to SIL3/PLe	yes ⁽¹⁾	no ⁽²⁾	yes ⁽³⁾
Ambient operating temperature	-25 ... 75 °C		
Storage temperature	-25 ... 85 °C		
Protection degree	IP67		
Dimensions (W / H / D in mm)	20 / 50 / 30	36/ 40 / 40	40 / 36 / 19
Tightening torque, fixing screws	0,8 Nm		
Diagram			
UL-specifications (UL61010-1 and UL61010-2-201)			
External protection	An isolated source with a secondary open circuit voltage of ≤30 V _{DC} with a 3 A maximum over current protection. Over current protection is not required when a Class 2 source is employed.		

⁽¹⁾ The passive distributor is suitable for use in passive safe paths as it has no connection to an AUX potential.

(2) The passive distributor is not suitable for use in paths with a passively safe-switched AUX cable, since an exclusion of errors cannot be assumed for the connection of the two ASi and AUX potentials.

If the passive distributor is supplied from an unswitched AUX cable, this has no influence on the safety consideration for the paths with passively safe-switched AUX cable. In an ASi circuit, paths supplied from a passively safe-switched AUX cable and paths supplied from unswitched AUX potential can be used together.

(3) The passive distributor is suitable for use in passive safe paths as it has no connection to an AUX potential.

Technical data	BW1977	BW1974
Plug-and-socket connection	plug M12 x 1 (V1), angled	
Flat cable terminals	1 ASi	1 x ASi/1 x U _{AUX}
	insulation penetration technology	
Rated operational voltage	≤ 35 V PELV (ASi, U _{AUX})	
Rated operational current	≤ 4 A	
It can be used with a switched AUX cable, which is passively safe up to SIL3/PLe	yes ⁽¹⁾	no ⁽²⁾
Ambient operating temperature	-25 ... 75 °C	
Storage temperature	-25 ... 85 °C	
Protection degree	IP67	
Connector	PUR, black	
Cable	PUR, halogen-free	
Sheath diameter	ø 4,8 mm	
Color	gray	
Cores	2 x 0,34 mm ²	4 x 0,34 mm ²
Length	2 m	
Dimensions (W / H / D in mm)	36 / 40 / 19	
Tightening torque, fixing screws	0,8 Nm	
Diagram		

(1) The passive distributor is suitable for use in passive safe paths as it has no connection to an AUX potential.

(2) The passive distributor is not suitable for use in paths with a passively safe-switched AUX cable, since an exclusion of errors cannot be assumed for the connection of the two ASi and AUX potentials.

If the passive distributor is supplied from an unswitched AUX cable, this has no influence on the safety consideration for the paths with passively safe-switched AUX cable. In an ASi circuit, paths supplied from a passively safe-switched AUX cable and paths supplied from unswitched AUX potential can be used together.