

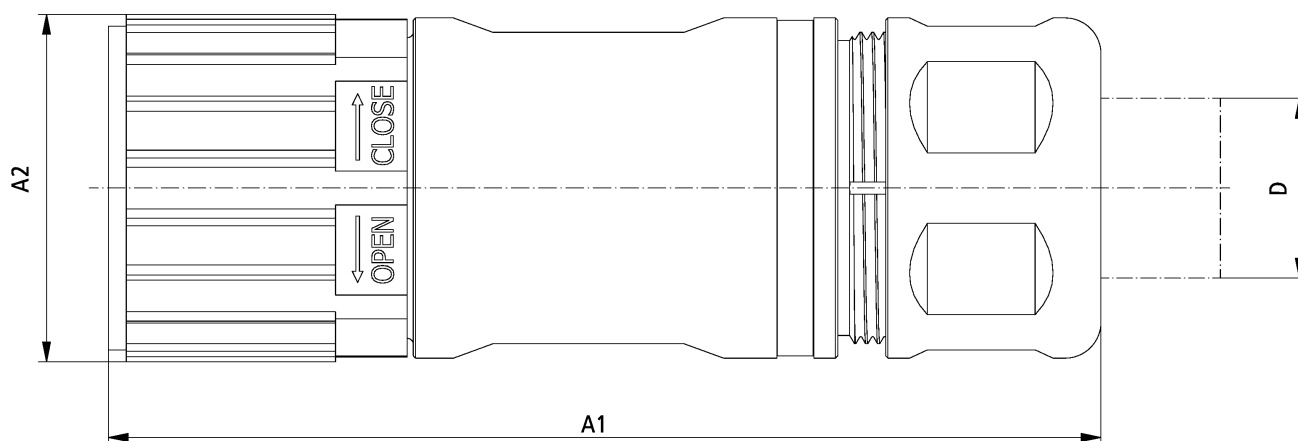
ZS7100-0002 | Plug, field assembly, EtherCAT P, IP 65/67, shielded

B12, plug, straight, female+ female, pins 2+4, P-coded

Electrical data	
Rated voltage (Ethernet)	30 V DC
Rated current (Ethernet)	3 A at 40 °C according to IEC 61076-2-104
Rated voltage (power)	60 V DC
Rated current (power)	10 A at 55 °C
Rated current (power)	10 A
Rated impulse voltage (power)	1.5 kV
Rated impulse voltage (Ethernet)	1.0 kV
Shielding	yes
Contact resistance	< 10 mΩ
Insulation resistance	≥ 100 MΩ (according to IEC 60512)
Mechanical data	
Installation size	B12
Connector type	plug
Configuration	straight
Contact type	female+ female
Number of positions (face)	pins 2+4
Coding	P-coded
Wire termination	crimp connection
Way of locking	bayonet
Body material	CuZn, Ni
Coupling nut material	GD-Zn, Ni
Seal	NBR
Contact carrier material	PA 6, UL 94 V0
Contact carrier colour (Ethernet)	red
Contact carrier colour (power)	red
Contact material	CuZn, Ni b/Au 0.2 gal.
Max. wire cross section (power)	AWG18/0.75 mm ²
Max. wire cross section (Ethernet)	AWG22/0.34 mm ²
Max. cable outer diameter	8.5 ... 9.5 mm
Environmental data	

Ambient temperature (operation)	-20...+80 °C, -4...+176 °F
Protection class	IP 65/67 in screwed condition (according to IEC 60529)
Pollution level	3/2 (according to IEC 60664-1)

Dimensions



A1	60.00 mm
A2	Ø 18.80 mm

Notes

- Illustrations similar

Ordering information	
ZS7100-0002	B12, plug, metal, shielded, crimp, straight, female+female, 2+4-pin, P-coded, IP 65/67, Ø 8.5...9.5 mm

Accessories	
ZB8810-0000	crimping tool for Ethernet element, M8, B12, B17, B23 contacts
ZB8810-0001	crimping insert and locator for Ethernet element, M8, B12, B17 contacts
ZS7000-C002	Crimp contact, Ethernet element, female, AWG22/0.34 mm ² , PU = 50 pieces
ZS7000-C004	B12 crimp contact, female, 0.75 mm ² , packaging unit = 50 pieces
ZS7100-B003	B12 protection cap, plug, plastic, IP 67, packaging unit = 10 pieces
ZS7100-B004	B12 protection cap, plug, metal, IP 67, packaging unit = 5 pieces
ZS7100-B005	B12 colour coding connector/square flange, red, packaging unit = 10 pieces
ZS7100-B006	B12 colour coding connector/square flange, yellow, packaging unit = 10 pieces
ZS7100-B007	B12 colour coding connector/square flange, blue, packaging unit = 10 pieces
ZS7100-B008	B12 colour coding connector/square flange, green, packaging unit = 10 pieces
ZS7100-B015	B12 colour coding connector/square flange, orange, packaging unit = 10 pieces
ZS7100-B016	B12 colour coding connector/square flange, grey, packaging unit = 10 pieces
ZB8802-0001	assembly tool for B12 connector, AF17

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