



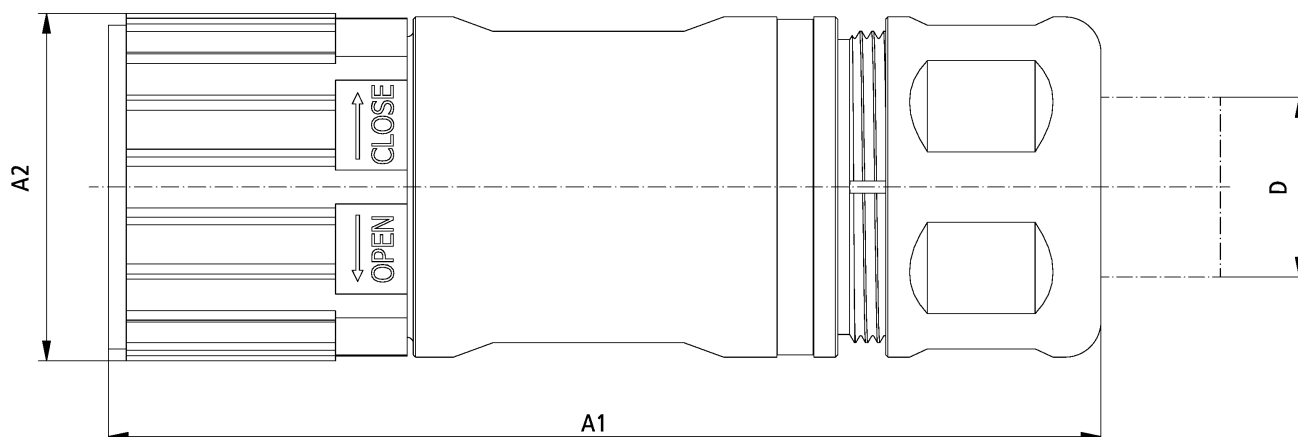
## ZS7100-0001 | Plug, field assembly, EtherCAT P, IP 65/67, shielded

B12, plug, straight, male+male, 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	male+male
Number of positions (face)	pins 2+4
Coding	P-coded
Wire termination	crimp connection
Mating cycles	≥ 100 (according to IEC 60512-9a)
Way of locking	bayonet
Body material	<b>CuZn, Ni</b>
Coupling nut material	GD-Zn, Ni
Seal	NBR
Contact carrier material	PA, UL 94 V-0
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 <sup>2</sup>
Max. wire cross section (Ethernet)	AWG22/0.34 mm <sup>2</sup>
Max. cable outer diameter	8.5 ... 9.5 mm

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

## Dimensions



A1	60.00 mm
A2	18.80 mm

## Notes

- Illustrations similar

<b>Ordering information</b>	
ZS7100-0001	B12, plug, metal, shielded, crimp, straight, male+male, 2+4-pin, P-coded, IP 65/67, Ø 8.5...9.5 mm

<b>Accessories</b>	
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-C001	Crimp contact, Ethernet element, male, AWG22/0.34 mm <sup>2</sup> , PU = 50 pieces
ZS7000-C003	B12 crimp contact, male, 0.75 mm <sup>2</sup> , 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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