ZS7100-A001 | Plug, field assembly, EtherCAT/Ethernet, IP65/67, shielded

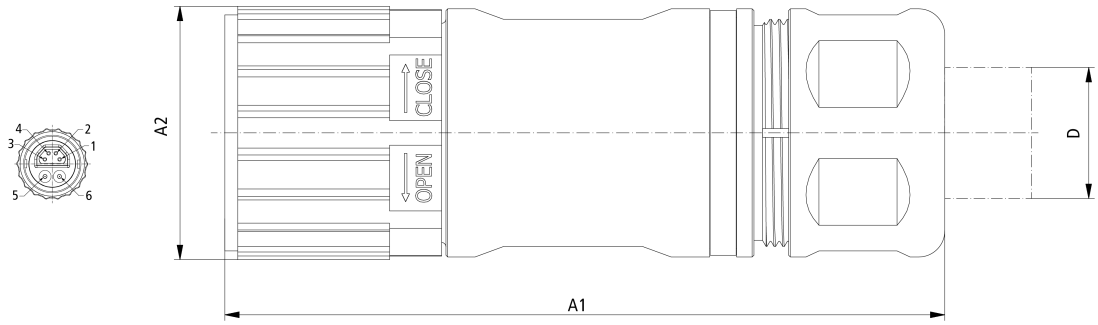
B12, plug, straight, male+female, pins 2+4, EtherCAT-coded



Electrical data	
Rated voltage (Ethernet)	30 V DC
Rated current (Ethernet)	4 A at 40°C (according to IEC 61076-2-104)
Rated voltage (power)	60 V DC
Rated current (power)	10 A at 60°C
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+female
Number of positions (face)	pins 2+4
Coding	EtherCAT-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, UL 94 V-0
Contact carrier color (Ethernet)	yellow
Contact carrier color (power)	red
Contact material	CuZn, Ni b/Au 0.2 gal.
Max. wire cross-section (power)	AWG18/0.75 mm²
Max. wire cross-section (Ethernet)	AWG22/0.34 mm²
Max. cable outer diameter	8.5...9.5 mm
Environmental data	
Ambient temperature (operation)	-20...+80°C, -4...+176°F
Protection rating	IP65/67 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

Mechanical coding

Mechanical keying uses defined keyways that only allow insertion and subsequent locking rotation when correctly aligned. For more information, please refer to the keying guide for correct use.

Notes

- Illustrations similar

Ordering information

ZS7100-A001	B12, plug, metal, shielded, crimp, straight, male+female, 2+4-pin, EtherCAT-coded, IP65/67, 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, packaging unit = 50 pieces
ZS7000-C003	B12 crimp contact, male, 0.75 mm^2, packaging unit = 50 pieces
ZS7100-B005	B12 color coding connector/square flange, red, packaging unit = 10 pieces
ZS7100-B006	B12 color coding connector/square flange, yellow, packaging unit = 10 pieces
ZS7100-B007	B12 color coding connector/square flange, blue, packaging unit = 10 pieces
ZS7100-B008	B12 color coding connector/square flange, green, packaging unit = 10 pieces
ZS7100-B015	B12 color coding connector/square flange, orange, packaging unit = 10 pieces
ZS7100-B016	B12 color coding connector/square flange, gray, packaging unit = 10 pieces
ZB8802-0001	assembly tool for B12 connector, AF17



Products marked with a crossed-out wheeled bin shall not be discarded with the normal waste stream. The device is considered as waste electrical and electronic equipment. The national regulations for the disposal of waste electrical and electronic equipment must be observed.

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