ZS7100-A002 | Plug, field assembly, EtherCAT/Ethernet, IP 65/67, shielded

B12, plug, straight, female+male, pins 2+4, EtherCAT-coded
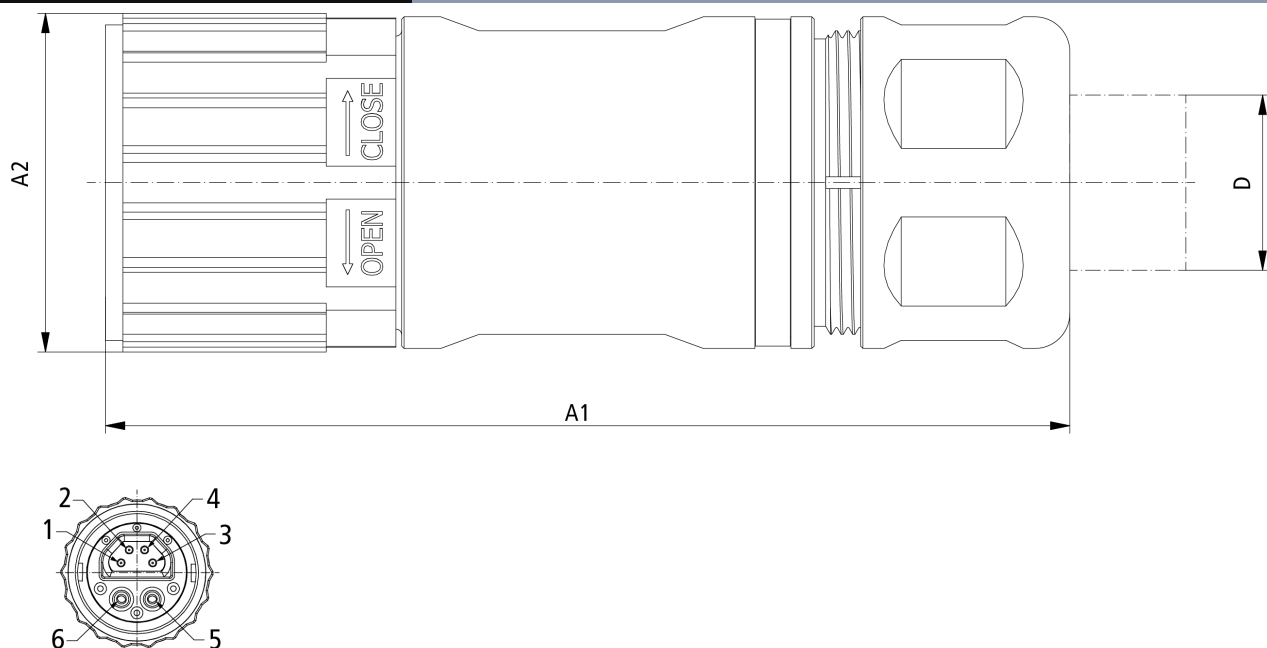
Electrical data	
Rated voltage (Ethernet)	30 V DC
Rated current (Ethernet)	4 A at 40 °C (according to IEC 61076-2-104)
Rated voltage (power)	60 V DC
Rated current (power)	10 A at 60 °C
Rated impulse voltage (power)	1.5 kV
Rated impulse voltage (Ethernet)	1.0 kV
Shielding	yes
Contact resistance	< 10 mΩ
Insulation resistance	≥ 100 MΩ (according to IEC 60512)
Mechanical data	
Installation size	B12
Connector type	plug
Configuration	straight
Contact type	female+male
Number of positions (face)	pins 2+4
Coding	EtherCAT-coded

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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 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 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

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Ordering information	
ZS7100-A002	B12, plug, metal, shielded, crimp, straight, female+male, 2+4-pin, EtherCAT-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-C001	Crimp contact, Ethernet element, male, AWG22/0.34 mm², PU = 50 pieces
ZS7000-C004	B12 crimp contact, female, 0.75 mm², 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 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

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual application do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressively agreed in the terms of contract.

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