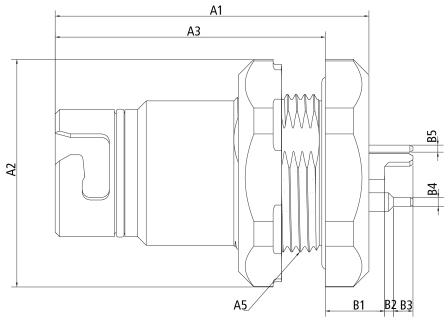
ZS7100-0004 | Flange, solder connection, EtherCAT P, IP65/67, shielded

B12, flange rear assembly, straight, long, female+ female, pins 2+4, EtherCAT 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 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	flange rear assembly
Configuration	straight, long
Contact type	female+ female
Number of positions (face)	pins 2+4

Coding	EtherCAT P-coded
Mechanical coding	key 1 (24 V DC)
Wire termination	Print contacts for wave soldering
Mating cycles	≥ 100 (according to IEC 60512-9a)
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)	red
Contact carrier color (power)	red
Contact material	CuZn, Ni b/Au 0.2 gal.
Environmental data	
Ambient temperature (operation)	-30...+90°C, -22...+194°F
Protection rating	IP65/67 in screwed condition (according to IEC 60529)
Pollution level	3/2 (according to IEC 60664-1)

Dimensions



A1	6.8 mm
A2	1.00 mm
A3	2.25 mm
A4	1.00 mm
A5	0.80 mm

Mechanical coding

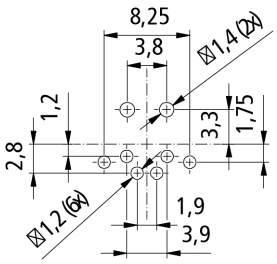
Mechanical keying uses defined keyways that only allow insertion and subsequent locking rotation when correctly aligned. For more information, please refer to the keying guide for correct use.

Notes

- Illustrations similar

Installation dimensions

PCB Layout proposal/
Platinenlayout Vorschlag



Ordering information

ZS7100-0004	B12, flange, metal, shielded, print, straight, long, female+female, 2+4-pin, EtherCAT P-coded, IP65/67

Accessories

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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