



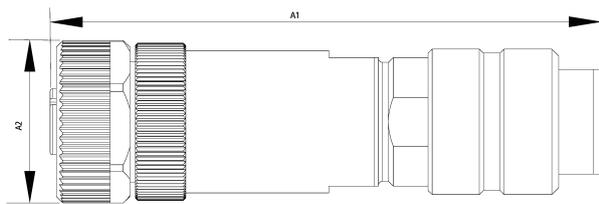
## ZS1090-0010 | M12 socket field assembly, Ethernet/EtherCAT, IP 67, shielded

M12, socket, straight, female, 4-pin, D-coded

Electrical data	
Rated voltage	250 V (according to IEC 61076-2-101)
Rated current	4 A at 40 °C (according to IEC 61076-2-101)
Rated impulse voltage	2.5 kV
Shielding	yes
Contact resistance	< 3 mΩ
Insulation resistance	≥ 100 MΩ (according to IEC 60512)
Mechanical data	
Installation size	M12
Connector type	socket
Configuration	straight
Contact type	female
Number of positions (face)	4-pin
Coding	D-coded
Wire termination	screw connection
Recommended torque, nut	0.6 Nm
Mating cycles	≥ 100
Way of locking	screw
Body colour	metal
Body material	GdZn, Ni
Coupling nut material	GD-Zn, Ni
Contact carrier colour	black
Contact carrier material	PA, UL 94
Contact plating	Au
Contact material	CuZn
Max. wire cross section	AWG16 ... AWG26 (1.5 mm <sup>2</sup> ... 0.14 mm <sup>2</sup> )
Max. cable outer diameter	4 - 8 mm
Environmental data	
RoHS compliant	yes
Ambient temperature (operation)	-30...+80 °C, -22...+176 °F
Protection class	IP 65/67 in screwed condition (according to IEC 60529)

Pollution level	3/2 (according to IEC 60664-1)
Approvals	UL

## Dimensions



A1	43.00 mm
A2	M16

## Notes

- Illustrations similar

Ordering information	
ZS1090-0010	socket, field assembly, Ethernet/EtherCAT, IP 67, straight, socket, 4-pin, D-coded, 0.14...1.15 mm <sup>2</sup> , Ø 5...8 mm, shielded

Accessories	
ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0003	torque cable key, M12F/wrench size 18, for ZB8801-0000

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