ZK2003-91D1-3xxx | Sensor, cable, shielded, PVC, 4 x 2 x AWG26, fixed installation, gray

RJ45, push-pull V4, plug, straight, male, 8-pin – RJ45, plug, straight, male, 8-pin



Plugs

Electrical data	Head A	Head B
Rated voltage	50 V AC/60 V DC	24 V
Rated current	1.3 A at 40°C	1.3 A at 40°C
Voltage proof (contact/contact)	-	≥ 1000 V DC
Shielding	yes	yes
Transmission characteristics	Cat.6 Class EA up to 500 MHz, 10/100 Mbit/s, 1/10 Gbit/s	-
Mechanical data		
Accessories type	Connectors for field assembly	-
Installation size	RJ45, push-pull V4	RJ45
Connector type	plug	plug
Configuration	straight	straight
Contact type	male	male
Number of positions (face)	8-pin	8-pin

Wire termination	IDC	-
Mating cycles	≥ 750	≥ 750
Way of locking	push-pull	locking pin
Body color	black	green
Body material	plastic	plastic
Contact carrier color	yellow	transparent/blue
Contact carrier material	-	PC, UL 94 V-2
Contact material	copper alloy	Phosphor-Bronze gold plated
Max. wire cross-section	AWG27...AWG22 (0.1 mm²...0.34 mm²)	-
Max. cable outer diameter	4.5...10.0 mm	-
Environmental data		
Special features	-	Cat.6A
UV resistance	yes	–
RoHS compliant	yes	yes
Ambient temperature (operation)	-40...+70°C, -40...+158°F	-40...+80°C, -40...+176°F
Protection rating	IP65/67	IP20
Approvals	UL, CSA	-

Cable

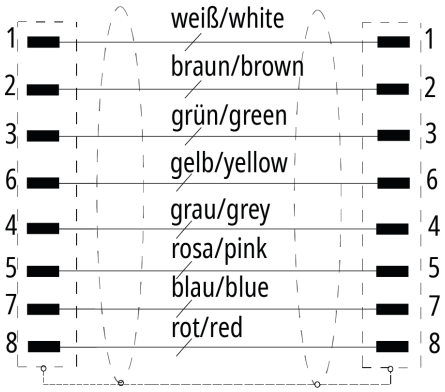
Electrical data	
Rated voltage	300 V (according to UL 758/1581)
Insulation resistance	≥ 20 GΩ * cm at 80°C
Test voltage	1500 V (wire/wire)
Mechanical data	
Cable structure	4 x 2 x AWG26
Cable structure (Ethernet)	twisted shielded pair
Conductor construction (Ethernet)	7-strand
Cross-section (Ethernet)	4 x 2 x 0.14 mm² (AWG26)
Outer cable diameter	6.2 mm ± 0.2 mm (0.244" ± 0.0079")
Min. bending radius, moved	15 x outer cable diameter
Min. bending radius, fixed installation	7.5 x outer cable diameter
Weight	55 kg/km (36.96 lb/1000 ft)
Conductor material (Ethernet)	tinned copper
Shielding	braiding of tinned copper wires
Use	fixed installation
UL-Style	UL758 (AWM) Style 2464, CSA C22.2 No. 210 - AWM I/II A/B

Jacket color	gray
Material jacket	PVC (polyvinyl chloride)
Wire insulation material	PVC (polyvinyl chloride)

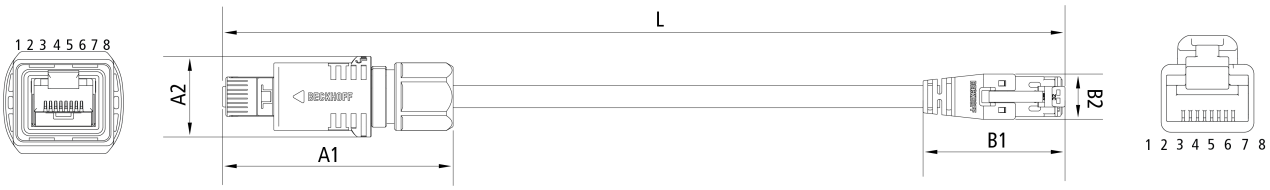
Environmental data

Operation temperature range, moved	-10...+80°C, 14...+176°F
Operation temperature range, fixed installation	-40...+80°C, -40...+185°F
Oil resistance	yes
Acid, lye and solvent resistance	good resistance to acids, alkalis and solvents
LABS-free	yes
Flame-retardant	according to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2, UL VW-1, CSA FT1
Halogen-free	no
Silicone-free	yes
Approvals	UL, CSA

Pin assignment



Dimensions



A1	ca. 68.0 mm
A2	23.8 mm
A3	20.4 mm
B1	46.2 mm
B2	13.3 mm

Notes

- Depending on the cable length (L), the following length tolerances apply:
0.5 m: ± 20 mm | 1.0 m ... 5.0 m: ± 40 mm | 7.5 m ... 50.0 m: ± 1%
- Illustrations similar
- Further cable length on request.

CE, UL	
CE	yes

Ordering information	Length
ZK2003-91D1-3005	0.50 m
ZK2003-91D1-3010	1.00 m
ZK2003-91D1-3015	1.50 m
ZK2003-91D1-3020	2.00 m
ZK2003-91D1-3025	2.50 m
ZK2003-91D1-3030	3.00 m
ZK2003-91D1-3040	4.00 m
ZK2003-91D1-3050	5.00 m

Further length on request



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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