ZK7672-3031-3xxx | Power cable, PVC, fixed installation, 5 G 1.5 mm² + 2 x 0,75 mm², key 2

B17, plug, straight, male+male, pins 5+2 – B17, plug, straight, female+ female, pins 5+2



Plugs

Electrical data	Head A	Head B
Rated voltage (Ethernet)	24 V DC	24 V DC
Rated current (Ethernet)	3 A at 40°C	3 A at 40°C
Rated voltage (power)	60 V DC	60 V DC
Rated current (power)	10 A at 55°C	10 A at 55°C
Rated impulse voltage (power)	1.5 kV	-
Rated impulse voltage (Ethernet)	1.0 kV	-
Contact resistance	< 10 mΩ (signal), < 5 mΩ (power)	< 10 mΩ (signal), < 5 mΩ (power)
Insulation resistance	≥ 100 MΩ (according to IEC 60512)	≥ 100 MΩ (according to IEC 60512)
Mechanical data		
Installation size	B17	B17
Connector type	plug	plug
Configuration	straight	straight
Contact type	male+male	female+ female

Number of positions (face)	pins 5+2	pins 5+2
Mechanical coding	key 2 (400 V AC)	key 2 (user-defined voltage)
Wire termination	crimp connection	crimp connection
Mating cycles	≥ 100	≥ 100
Way of locking	bayonet	bayonet
Body color	metal	metal
Coupling nut material	GD-Zn, Ni	GD-Zn, Ni
Seal	NBR, FPM	NBR
Contact carrier material	PA, UL 94	PA, UL 94
Contact plating	Au over Ni	Au over Ni
Contact material	copper alloy	copper alloy
Environmental data		
Shock resistance	50 g (490 m/s²) conforms to IEC 60512-6c, 11 ms; 18 shocks per direction, 3 axes	50 g (490 m/s²) conforms to IEC 60512-6c, 11 ms; 18 shocks per direction, 3 axes
Vibration resistance	5 g (50 m /s²) conforms to IEC 60512-6d, 10 Hz. ... 500 Hz.; 10 cycles per axis; 6 h full duration	5 g (50 m /s²) conforms to IEC 60512-6d, 10 Hz. ... 500 Hz.; 10 cycles per axis; 6 h full duration
RoHS compliant	yes	yes
Ambient temperature (operation)	-30...+80°C, -22...+176°F	-30...+80°C, -22...+176°F
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	IP65/67 in screwed condition (according to IEC 60529)
Pollution level	3/2 (according to IEC 60664-1)	3/2 (according to IEC 60664-1)

Cable

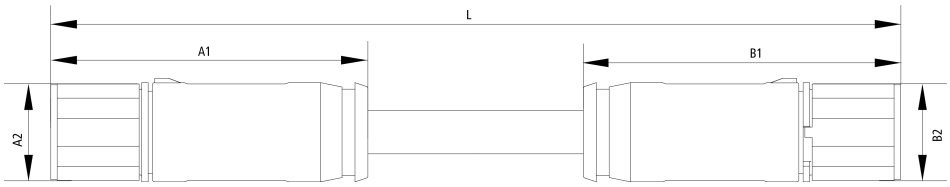
Electrical data	
Rated voltage	600 V AC/DC
Wire resistance (power)	1.50 mm²: ≤ 13.3 Ω/km, 0.75 mm²: ≤ 26.0 Ω/km
Test voltage	4000 V
Mechanical data	
Cross-section	2 x 0.75 mm² (AWG18) + 5 x 1.5 mm² (AWG16)
Outer cable diameter	12.4 mm ± 0.3 mm (0.4882" ± 0.0118")
Min. bending radius, moved	10 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Weight	158 kg/km (106.17 lb/1000 ft)
Shielding	no
Use	fixed installation
UL-Style	AWM Style 2586
Jacket color	black (similar to RAL9005)

Material jacket	PVC (polyvinyl chloride)
Wire color code	1.50 mm²: brown, black, grey, blue, green/yellow 0.75 mm²: white, red
Wire insulation material	TPE-o (Polyolefin blends)
Environmental data	
Operation temperature range, moved	5...90°C, 41...194°F
Operation temperature range, fixed installation	-40...+90°C, -40...+194°F
Halogen-free	no
RoHS compliant	yes

Pin assignment



Dimensions



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

- Depending on the cable length (L), the following length tolerances apply:
  0 m...<0.2 m: ± 10 mm | 0.2...4.0 m: + 40 mm | ≥ 4.0 m: + 1%
- Illustrations similar
- Further cable length on request.

CE, UL

CE	yes

Ordering information	Length
ZK7672-3031-3002	0.20 m
ZK7672-3031-3003	0.30 m
ZK7672-3031-3004	0.40 m
ZK7672-3031-3005	0.50 m
ZK7672-3031-3006	0.60 m
ZK7672-3031-3007	0.70 m
ZK7672-3031-3010	1.00 m
ZK7672-3031-3020	2.00 m
ZK7672-3031-3022	2.20 m
ZK7672-3031-3030	3.00 m
ZK7672-3031-3050	5.00 m
ZK7672-3031-3080	8.00 m
ZK7672-3031-3100	10.00 m
ZK7672-3031-3150	15.00 m

Further length on request

Accessories	
ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0002	torque cable key, M12/wrench size 13, for ZB8801-0000



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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