

ZK7647-8619-3xxx | B17, power cable, PVC, 3 G 1.00 mm², fixed installation, key 2 (user-defined voltage), black



Schuko plug CEE 7/7, plug, male, pins 2+PE – B17, plug, straight, female+blanking plug, pins 2+PE, Power



Plugs

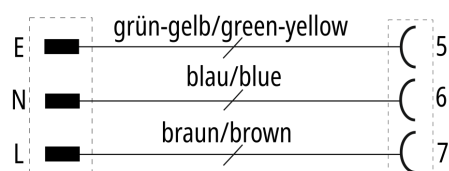
Electrical data	Head A	Head B
Rated voltage	250 V	-
Rated voltage (power)	-	630 V AC / 850 V DC, 600V AC / DC (UL)
Rated current (power)	-	15.5 A at 50°C
Rated current	10 A	-
Rated impulse voltage (power)	-	6.0 kV
Contact resistance	-	< 5 mΩ
Insulation resistance	-	≥ 100 MΩ (according to IEC 60512)
Mechanical data		
Installation size	Schuko plug CEE 7/7	B17
Connector type	plug	plug
Configuration	-	straight
Contact type	male	female+blanking plug

Number of positions (face)	pins 2+PE	pins 2+PE
Coding	-	Power
Mechanical coding	-	key 2 (230 V AC)
Wire termination	-	crimp connection
Mating cycles	≥ 5000	≥ 100
Way of locking	-	bayonet
Weight	-	0.090 kg (0.1984 lb)
Body color	black	black
Body material	PVC	TPU, UL94 HB
Coupling nut material	-	GD-Zn, Ni
Seal	-	NBR
Contact carrier material	-	PA, UL 94
Contact carrier color (power)	-	red
Contact plating	-	Au over Ni
Contact material	-	copper alloy
Max. cable outer diameter	7.0 mm	-
Environmental data		
Use	fixed installation	-
Shock resistance	-	50 g (490 m/s ²) conforms to IEC 60512-6c, 11 ms; 18 shocks per direction, 3 axes
Vibration resistance	-	5 g (50 m/s ²) conforms to IEC 60512-6d, 10 Hz. ... 500 Hz; 10 cycles per axis; 6 h full duration
Ambient temperature (operation)	-	-30...+80°C, -22...+176°F
Protection rating	IP20	IP65/67 in screwed condition (according to IEC 60529)
Pollution level	-	3/2 (according to IEC 60664-1)
CE	yes	-

Cable

Electrical data	
Rated voltage	300/500 V
Wire resistance (signal/24V)	≤ 19.5 Ω/km (DIN EN 50395)
Mechanical data	
Cross-section (power)	3 x 1.0 mm ² (approx. AWG18)
Outer cable diameter	7.0 mm ± 0.3 mm (0.2756" ± 0.0118")
Shielding	no
Use	fixed installation

Jacket color	black
Material jacket	PVC (polyvinyl chloride)
Wire color code	brown, blue, green/yellow
Environmental data	
Halogen-free	no
RoHS compliant	yes
CE	yes

Pin assignment**Dimensions**

A1	64.9 mm
A2	54 mm
B1	73.60 mm
B2	23.00 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

- Depending on the cable length (L), the following length tolerances apply:
0 m...3.0 m: + 100 mm | 3.0...10.0 m: ± 100 mm | ≥ 10.0 m: ± 2%
- Illustrations similar
- Further cable length on request. The last three digits of the ordering information is the cable length in decimeters, e.g.
ZKxxxx-xxxx-x020 = cable length 2.00 m
- The design of the pre-assembled cable shown here may differ from the products supplied, despite technically identical specifications.

CE, UL	
CE	yes

Ordering information	Length
ZK7647-8619-3030	3.00 m
ZK7647-8619-3050	5.00 m

Further length on request

Accessories	
ZS7200-B003	B17 protection cap, plug, plastic, IP67, packaging unit = 10 pieces, including loss protection
ZS7200-B004	B17 protection cap, plug, metal, IP67, packaging unit = 5 pieces, including loss protection
ZS7200-B005	B17 color coding connector/square flange, red, packaging unit = 10 pieces
ZS7200-B006	B17 color coding connector/square flange, yellow, packaging unit = 10 pieces
ZS7200-B007	B17 color coding connector/square flange, blue, packaging unit = 10 pieces
ZS7200-B008	B17 color coding connector/square flange, green, packaging unit = 10 pieces
ZS7200-B016	B17 color coding connector/square flange, gray, packaging unit = 10 pieces
ZS7200-B015	B17 color coding connector/square flange, orange, packaging unit = 10 pieces
ZB8802-0002	for a comfortable locking of the bayonet closing of the connector family in the size B17, AF22
ZB8805-0001	Flange/Panel feed-through for B17 pre-assembled, for fixing the connector, plastic, including screws, washers and lock nuts



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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