

ZK7744-1800-0xxx | B23, power cable, PUR, 3 G 2.5 mm², drag-chain suitable, key 2



B23, plug, straight, male+blanking plug, pins 2+PE, Power – open end, 3-wire



Plugs

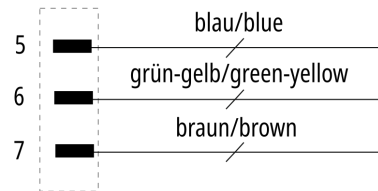
Electrical data	Head A	Head B
Rated voltage (power)	630 V AC / 850 V DC, 600V AC / DC (UL)	-
Mechanical data		
Installation size	B23	open end
Connector type	plug	-
Configuration	straight	-
Contact type	male+blanking plug	-
Number of positions (face)	pins 2+PE	3-wire
Coding	Power	-
Mechanical coding	key 2 (400 V AC)	-
Wire termination	crimp connection	-
Body color	metal	-
Coupling nut material	GD-Zn, Ni	-
Seal	FKM/FPM	-
Contact carrier material	PA, UL 94 V-0	-

Contact carrier color (power)	red	-
Contact plating	Au over Ni	-
Contact material	copper alloy	-
Max. wire cross-section	4.0 mm ²	-
Max. cable outer diameter	11.0...13.0 mm	-
Environmental data		
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	IP65/IP67 (according to EN 60529)	-
Pollution level	3/2 (according to IEC 60664-1)	-

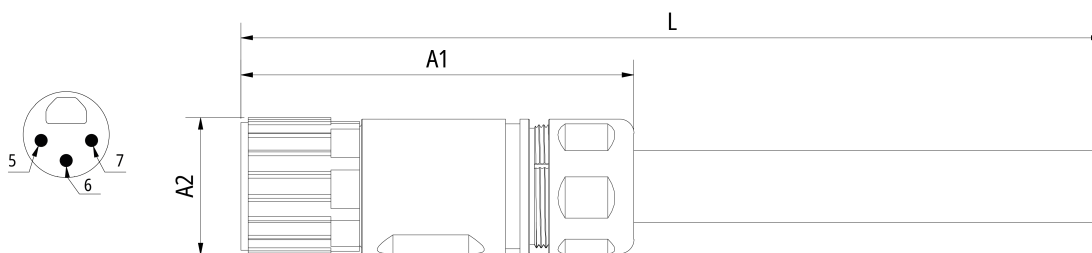
Cable

Electrical data		
Rated voltage	300 V	
Test voltage	≥ 2000 V	
Mechanical data		
Cross-section (power)	3 x 2.5 mm ² (approx. AWG14)	
Outer cable diameter	8.4 mm ± 0.2 mm	
Min. bending radius, moved	10 x outer cable diameter	
Min. bending radius, fixed installation	5 x outer cable diameter	
Shielding	no	
Use	drag-chain suitable	
Jacket color	black	
Material jacket	PUR (polyurethane)	
Wire color code	brown, blue, green/yellow	
Wire insulation material	PP (polypropylene)	
Printing color	white	
Environmental data		
Operation temperature range, moved	-30...+80°C, -22...+176°F	
Oil resistance	according to EN 50363-10-2	
Flame-retardant	according to UL FT2	
Halogen-free	according to IEC 60754-1	
RoHS compliant	yes	

Pin assignment



Dimensions



A1	83 mm
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A2	29 mm
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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
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Ordering information	Length
ZK7744-1800-0030	3.00 m
ZK7744-1800-0050	5.00 m
ZK7744-1800-0080	8.00 m
ZK7744-1800-0100	10.00 m
ZK7744-1800-0150	15.00 m
ZK7744-1800-0200	20.00 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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