

ZK7A74-3184-8002 | Splitter cable, B23, ECP-cable, special pin assignment, two hole sealing, PUR, 4 x 0.34 mm² + 4 x 0.34 mm², fixed installation, key 3



B23, plug, straight, female+ female, pins 4+PE+4, P-coded – M8, plug, straight, male, 3-pin, A-coded – open end, 4-wire



Plugs

Electrical data	Head A	Head B	Head C
Rated voltage	-	60 V (according to IEC 61076-2-104)	-
Rated voltage (Ethernet)	24 V DC	-	-
Rated current (Ethernet)	3 A at 40 °C	-	-
Rated voltage (power)	630 V AC / 850 V DC, 600V AC / DC (UL)	-	-
Rated current (power)	28 A at 40 °C	-	-
Rated current (signal/24V)	-	4 A at 40 °C (acc.to IEC 61076-2-104)	-
Rated impulse voltage (power)	6.0 kV	-	-
Rated impulse voltage (Ethernet)	1.0 kV	-	-
Shielding	yes	no	-
Contact resistance	< 10 mΩ (signal), < 5 mΩ (power)	-	-

Insulation resistance	≥ 100 MΩ (according to IEC 60512)	≥ 10 GΩ (according to IEC 60512-2)	-
Mechanical data			
Accessories type	Connectors	-	-
Installation size	B23	M8	open end
Connector type	plug	plug	-
Configuration	straight	straight	-
Contact type	female+ female	male	-
Number of positions (face)	pins 4+PE+4	3-pin	4-wire
Coding	P-coded	A-coded	-
Wire termination	crimp connection	crimp connection	-
Recommended torque, nut	-	0.4 Nm	-
Mating cycles	≥ 100	≥ 100 (according to IEC 60512-9a)	-
Way of locking	bayonet	screw	-
Weight per piece	0.175 kg (0.3858 lb)	0.028 kg (0.0617 lb)	-
Body color	-	black	-
Body material	CuZn, Ni	TPU, UL94	-
Coupling nut material	GD-Zn, Ni	CuZn, Ni	-
Seal	NBR	FPM	-
Contact carrier color	-	red	-
Contact carrier material	PA, UL 94	TPU GF, UL 94	-
Contact carrier color (Ethernet)	red	-	-
Contact carrier color (power)	red	-	-
Contact plating	Ni, Au gal.	Ni, Au gal.	-
Contact material	copper alloy	CuZn	-
Max. wire cross-section (power)	AWG12/4.0 mm ²	-	-
Max. wire cross-section (Ethernet)	AWG22/0.34 mm ²	-	-
Max. cable outer diameter	13.0...15.0 mm, 15.0...16.0 mm	-	-
Environmental data			
Special features	-	halogen-free, flame-resistant as per IEC 60332-1-2, oil-resistant as per DIN EN 60811-2-1	-
RoHS compliant	-	yes	-
Ambient temperature (operation)	-20...+90°C, -4...+194°F	-30...+80°C, -22...+176°F	-
Protection rating	IP65/67 in screwed condition (according to IEC 60529)	IP67 in screwed condition (according to IEC 60529)	-

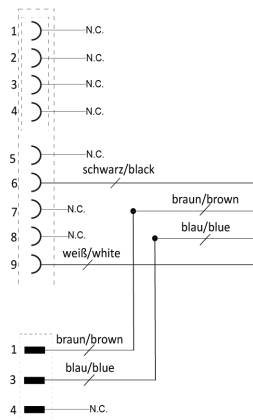
Pollution level	3/2 (according to IEC 60664-1)	3/2 (according to IEC 60664-1)	-
Approvals	UL 2237: File E484763	-	-

Cable

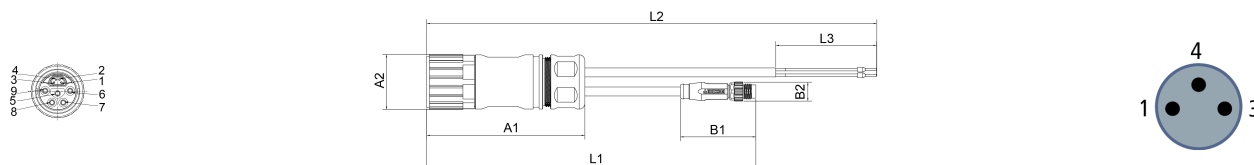
Electrical data	
Rated voltage	≤ 300 V
Insulation resistance	≥ 10 GΩ * km
Wire resistance (signal/24V)	≤ 58.0 Ω/km (20°C)
Test voltage	≥ 3000 V
Mechanical data	
Conductor construction (power)	42 x 0.10 mm
Cross-section	4 x 0.34 mm ² (AWG22)
Outer cable diameter	4.7 mm ± 0.15 mm (0.185" ± 0.0059")
Min. bending radius, moved	6 x outer cable diameter
Min. bending radius, moved in drag-chain	10 x outer cable diameter
Min. bending radius, fixed installation	5 x outer cable diameter
Weight	31 kg/km (20.8 lb/1000 ft)
Shielding	no
Use	drag-chain suitable
Max. acceleration	10 m/s ²
Max. speed	5 m/s
Max. number of cycles	10 million at max. 20 m travel distance, 2 million at max. 100 m travel distance
Wall thickness of wire insulation (power)	≥ 0.21 mm
Jacket color	black
Material jacket	PUR (polyurethane)
Wire color code	white, blue, black, brown
Wire insulation material	PP (polypropylene)
Printing on the jacket	Li9Y11Y 4x0,34mm ² E242293 (cULus-Symbol) AWM STYLE 20549 80C 300V AWM I A/B 80C 300V FT2
Printing color	white
Environmental data	
Operation temperature range, moved	-25...+80°C, -13...+176°F
Oil resistance	168 h 100°C (according to DIN EN 60811-2-1)
Flame-retardant	according to DIN EN 60332-2-2
Halogen-free	DIN VDE 0472 part 815

CE	yes
UL	yes, UL E-file number: E242293

Contact assembly



Dimensions



A1	approx. 80.0 mm
A2	29.0 mm
B1	39.60 mm
B2	Ø 10.1 mm

Notes

- The following length tolerances apply: 2-3%
- Illustrations similar

Ordering information	Length
ZK7A74-3184-8002	5.00 m



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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