lumbergautomation
A BELDEN BRAND



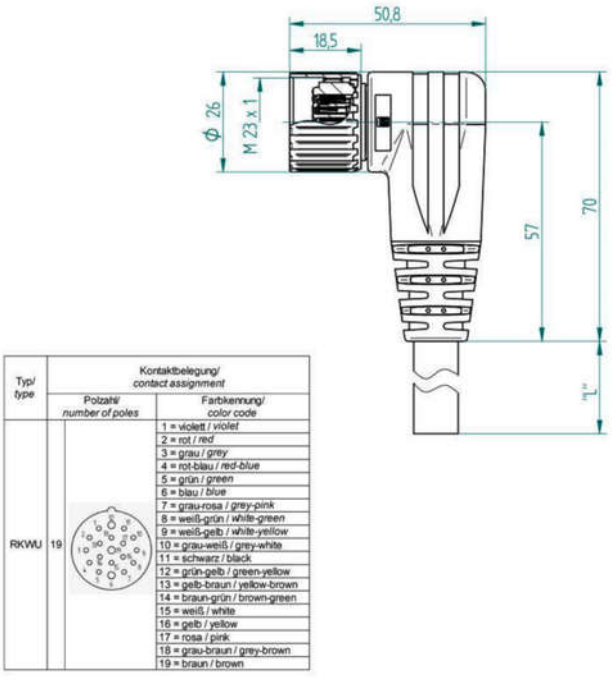
Product: RKWU 19-242

M23 Power Single-Ended Cordset: Female, angled, 19-pin, black body, 120 V AC/DC, 16x8 A + 3x10 A; PUR black cable, 16x0.5 mm² + 3x1.0 mm²

Product Description

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Technical Drawing



Typ/ type	Kontaktbelegung/ contact assignment	
	Polzahl/ number of poles	Farbkennung/ color code
RKWU	19	1 = violett / violet 2 = rot / red 3 = grau / grey 4 = rot-blau / red-blue 5 = grün / green 6 = blau / blue 7 = grau-rosa / grey-pink 8 = weiß-grün / white-green 9 = weiß-gelb / white-yellow 10 = grau-weiß / grey-white 11 = schwarz / black 12 = grün-gelb / green-yellow 13 = gelb-braun / yellow-brown 14 = braun-grün / brown-green 15 = weiß / white 16 = gelb / yellow 17 = rosa / pink 18 = grau-braun / grey-brown 19 = braun / brown

Technical Specifications

Technical Data

Product Family:	Power Connector
Product Sub Family:	M23 Power
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	female
Connector Design:	angled
Number of Pins:	19
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	125 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	120 V AC/DC
Rated Current:	16 x 8 A (pin-Ø 1 mm), 3 x 10 A (contact-Ø 1.5 mm)

Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation):	-25°C to +80°C
Protection Degree / IP Rating:	IP67
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	16 x CuSn/3 x CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	PA 66
Contact Bearer Color:	black
Flammability Class (Contact Bearer):	UL 94-HB
Molded Body Material:	TPU
Molded Body Color:	black
Flammability Class (Molded Body):	UL 94-HB
Attachment Material:	CuZn, nickel-plated
O-Ring Material:	FKM

Cable Data

Cable Number:	242
Number of Wires:	19
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 2 M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	Ø 11.60 ±0.30 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	16x Ø1.45 mm + 3x Ø1.95 mm
Ambient Temperature (Fixed Installation):	-50°C to +80°C
Ambient Temperature (Flex Installation):	-25°C to +80°C
Ambient Temperature (Drag Chain Inst):	max. +60°C
UL Cable Type:	AWM: 21198 / 20549
Flammability Class (Cable Jacket):	IEC 60332-2, VDE 0482-265-2-2, EN 50265-2-2, FT2; flame-retardant

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	IEC 60754-1, VDE 0482-267, EN 50267-2-1

Notes

Protection Degree / IP Rating Note:	* only if mounted and locked in combination with Hirschmann / Lumberg connector.
Note Derating:	* Notice derating
Note:	Do not connect / disconnect under load.
Particularities:	When the connector is unlocked and in risk of pollution the connector has to be covered with a protective cap ≥ IP54.

Variants

Item #	Item Description	Cable Length
934636535	RKWU 19-242/1 M	1 m
61260	RKWU 19-242/2 M	2 m
60706	RKWU 19-242/5 M	5 m
60693	RKWU 19-242/10 M	10 m
60694	RKWU 19-242/15 M	15 m
60695	RKWU 19-242/20 M	20 m
61213	RKWU 19-242/25 M	25 m

61216	RKWU 19-242/30 M	30 m
61218	RKWU 19-242/35 M	35 m
61214	RKWU 19-242/40 M	40 m
91618	RKWU 19-242/50 M	50 m

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