lumbergautomation
A BELDEN BRAND

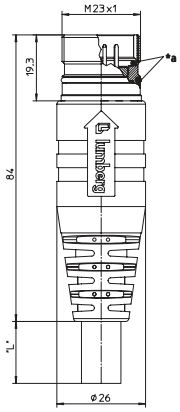
M23-Round-Plug Connector, Single-Ended Cordsets

RSUF | RKU | RKUE

12- and 19-Poles

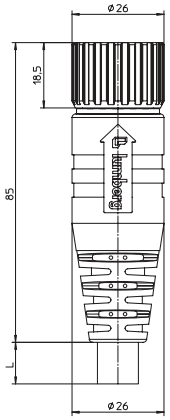
M23 cordsets, single ended, male straight connector, 12- and 19-poles with threaded joint, external threads and molded cable.

RSUF



M23 cordsets, single ended, female straight connector, 12- and 19-poles with threaded joint, internal threads and molded cable.

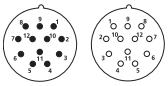
RKU/RKUE



Pin Assignments

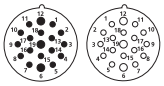
M23 - Male / Female

12 poles



1 = white
2 = green
3 = yellow
4 = grey
5 = grey/pink
6 = red/blue
7 = white/green
8 = brown/green
9 = blue
10 = blue
11 = brown
12 = yellow/green

19 poles



1 = violet
2 = red
3 = grey
4 = red/blue
5 = green
6 = blue
7 = grey/pink
8 = white/green
9 = white/yellow
10 = white/grey
11 = black
12 = yellow/green
13 = yellow/brown
14 = brown/green
15 = white
16 = yellow
17 = pink
18 = grey/brown
19 = brown

M23-Round-Plug Connector, Single-Ended Cordsets
RSUF | RKU | RKUE

Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	-25°C (-13°F) / +80°C (+176°F)

Mechanical

Housing / Molded body	TPU, self-extinguishing
Insert	PBT
Contact	CuZn, pre-nickeled and 0.8 microns gold-plated
Coupling nut	CuZn, nickel-plated

Electrical

Contact resistance	≤ 5 mΩ
Nominal current at 40°C	12 poles 8 A 19 poles 8 A pin Ø 1 mm, 10 A pin Ø 1.5 mm
Nominal voltage	12 poles 240 V 19 poles 120 V
Rated voltage	12 poles 250 V 19 poles 125 V
Test voltage	12 poles 2.5 kV eff./ 60 s 19 poles 1.5 kV eff./ 60 s
Insulation resistance	> 10^9 Ω
Pollution degree	3

Cable Specifications

Cable No.	Outer Jacket	Gauge	Jacket Color	OD	Agency Approvals
256	**PUR**, halogen-free	18AWG	Black	8 x 0.50mm² 3 x 1.00mm²	UL: AWM 21198 / CSA: AWM I/II A/B
242	**PUR**, halogen-free	18AWG	Black	3 x 1.00mm² 16 x 0.50mm²	UL: AWM 21198 / CSA: AWM I/II A/B

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RSUF 12-256/...M	RKU 12-256/...M	**12**	**PUR**, halogen-free	5 M / 10 M / 15 M / 20 M	
RSUF 19-242/...M	RKU 19-242/...M	**19**	**PUR**, halogen-free	5 M / 10 M / 15 M / 20 M	
	RKUE 19-242/...M		**PUR**, halogen-free	5 M / 10 M / 15 M / 20 M	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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RKU 12-256/10 M RKU 12-256/15 M RKU 12-256/20 M RKU 12-256/25 M RKU 12-256/30 M RKU 12-256/5 M RKU 19-242/60 M RKU 12-256/100 M RKU 19-242/25 M RKU 19-242/30 M RKU 19-242/35 M RKU 19-242/40 M RKU 19-242/45 M RKUE 19-242/15 M RKUE 19-242/20 M RKUE 19-242/5 M RKUE 19-242/10 M RKU 19-242/10 M RKU 19-242/15 M RKU 19-242/20 M RKU 19-242/5 M