



**Product:** [RKU A 6-203](#)

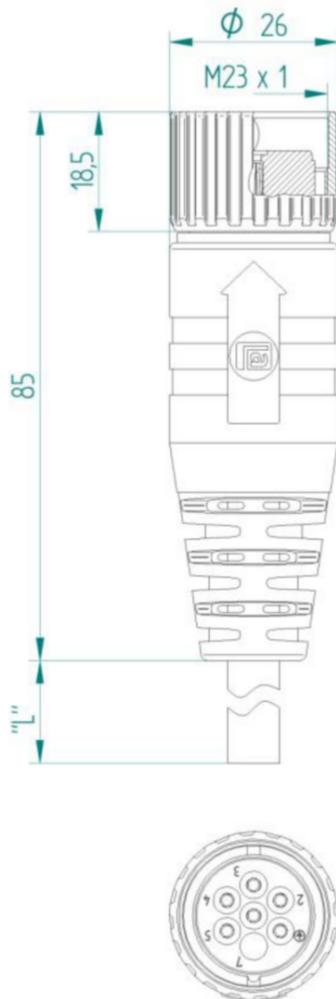
Life Cycle Status: Limited Availability/Passive

M23 - Female 0° | #Contacts: 6 | 250 V | Cable: Black (PUR); 3x1.0 mm<sup>2</sup>, Numeric

### Product Description

M23 - Female 0° | #Contacts: 6 | 250 V | Cable: Black (PUR); 3x1.0 mm<sup>2</sup>, Numeric

### Technical Drawing



Typ/ type	Kontaktbelegung/ contact assignment	
	Polzahl/ number of poles	Farbkennung/ color code
RKU A		⊕ = gelb / grün / yellow / green
		2 = schwarz 3 / black 1
		3 = schwarz 4 / black 2
		4 = n.c.
		5 = n.c.
		6 = n.c.

### Technical Specifications

#### Face View

Pin 1	Pin 2	Pin 3
green/yellow	black 1	black 2

## Technical Data

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Side 1 Type of Contact/Gender:	Socket Contact / Female
Connector Design:	M23   Female   6 Pole   0°
Number of Pins:	6
Attachment Type:	Knurled Nut
Voltage Rating:	250 V
Rated Impulse Voltage:	2.5 kV
Current Rating:	12 A
Contact Resistance:	≤ 5 mOhm
Mating Cycles:	≤ 100
Cross Section:	3x1.0mm <sup>2</sup>
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)

## Materials

Contact Base Material:	Brass (CuZn)
Side 1 Contact Plating:	Gold over Copper (Cu/Au)
Contact Bearer Material:	Polybutylene terephthalate (PBT)
Contact Bearer Color:	White
Flammability Class (Contact Bearer):	UL 94 V0
Molded Body Material:	Thermoplastic Polyurethane (TPU)
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94-HB
Attachment Material:	Brass (CuZn)
Attachment Plating:	Nickel (Ni)

## Cable Data

Cable Number:	203
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor Material:	Cu
Cable Jacket Material:	Polyurethane (PUR)
Cable Jacket Color:	Black
Cable Diameter D:	Ø 6.50
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 2.20 mm [0.087"]
Ambient Temperature (Fixed Installation):	- 40 °C to + 90 °C
Ambient Temperature (Flex Installation):	+ 5 °C to + 90 °C
Flammability Class (Cable Jacket):	VDE 0482-265-2-1 EN 50265-2-1 IEC 60332-1

## Safety & Environmental Compliance

RoHS Compliant:	Yes
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## Resistances

Halogenfree:	Yes
Oil Resistance:	Yes

## Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
Note:	L = Standard length of control line

Particularities:	When the connector is unlocked and in risk of pollution the connector has to be covered with a protective cap $\geq$ IP54.
Product Characteristics:	Drag chain sustainability, Very good resistance to oils, coolants, lubricants as well as emulsions, Very good vibration and shock resistance

**Variants**

Item #	Item Description	Cable Length
900001056	RKU A 6-203/5 M	5 m
900001689	RKU A 6-203/10 M	10 m
57246	RKU A 6-203/15 M	15 m

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