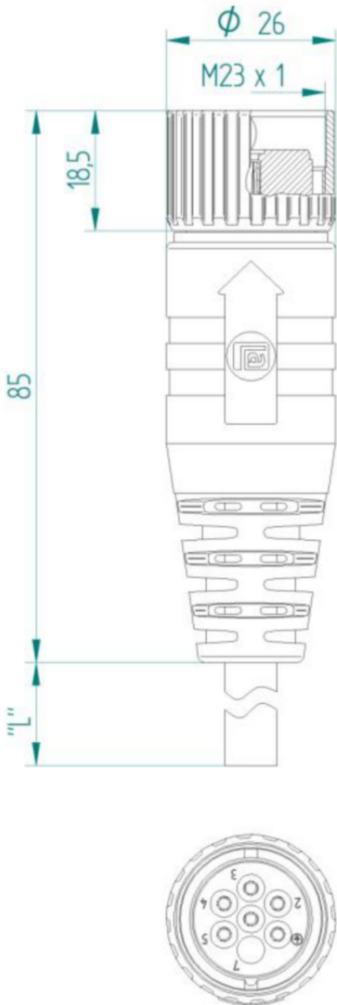**Product:** RKU 6-204 ⧉

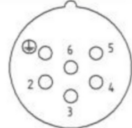Life Cycle Status: Limited Availability/Passive

M23 - Female 0° | #Contacts: 6 |250 V | Cable: Black (PUR); 5x1.0 mm², Numeri

Product Description

M23 - Female 0° | #Contacts: 6 |250 V | Cable: Black (PUR); 5x1.0 mm², Numeric

Technical Drawing

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

Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
green/yellow	black 1	black 2	black 3	black 4

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
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Cross Section:	5x1.0mm²
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:	204
Number of Wires:	5
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 8.00
Wire Insulation Material:	Polypropylene (PP)
Insulated Wire Diameter:	Ø 2.35 mm [0.093"]
Ambient Temperature (Fixed Installation):	- 50 °C to + 80 °C
Ambient Temperature (Flex Installation):	- 25 °C to + 80 °C
UL Cable Type:	AWM 21198 or 20549
Flammability Class (Cable Jacket):	DIN EN 60332-2-2 VDE 0482-332-2-2 IEC 60332-2-2 CSA FT-2

Safety & Environmental Compliance

RoHS Compliant:	Yes

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 ≥ IP54.	

Variants

Item #	Item Description	Cable Length
46687	RKU 6-204/5 M	5 m
900001133	RKU 6-204/10 M	10 m
47949	RKU 6-204/15 M	15 m