



Electrical Connecting Accessories

circular connectors



measuring
•
monitoring
•
analysing

ZUB-KAB



- Circular connectors M12x1, socket
- Connection: terminals, cable, Quickon
- Plastic, brass nickel-plated

Z2

KOBOLD companies worldwide:

AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHINA, CZECHIA, FRANCE, GERMANY, GREAT BRITAIN, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, REPUBLIC OF KOREA, SPAIN, SWITZERLAND, THAILAND, TUNISIA, TURKEY, USA, VIETNAM




KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
Head Office:
+49(0)6192 299-0
+49(0)6192 23398
info.de@kobold.com
www.kobold.com





Circular Connectors M12x1, Socket, straight

Technical Details	Model					
	ZUB-KAB-12 D500	ZUB-KAB-12 D800	ZUB-KAB-12 K002	ZUB-KAB-12 K005	ZUB-KAB-12 K510	ZUB-KAB-12 Q000
						
Way of connection	Terminals	Terminals	2 m PUR cable moulded	5 m PUR cable moulded	10 m PUR cable moulded	Quickon
Male insert	PA	PA	TPU	TPU	PUR	Plastic
Ring nut	PA	Zinc die casting, nickel-plated	Brass, nickel-plated	Brass, nickel-plated	Zinc die casting, nickel-plated	Plastic
Cable outlet / cable diameter	4 - 6 mm	6 - 8 mm	4.7 mm	5 mm	5 mm	4.0 - 5.7 mm
Cross section of wire	max. 0.75 mm ²	max. 0.5 mm ²	0.34 mm ²	0.34 mm ²	0.25 mm ²	0.34 - 0.75 mm ²
Number of contacts	5	8	4	4	5	4
Protection	IP 67	IP67	IP 67	IP 67	IP 69K	IP 65
Rated of voltage	60 V	30 V	250 V	250 V	60 V	250 V
Rated current	4 A	1,5 A	4 A	4 A	4 A	9 A
Ambient temperature	-40 ... +85 °C	-40 ... +85 °C	-25 ... +80 °C	-25 ... +80 °C	-25 ... +70 °C	-25 ... +80 °C

Round connector, M12x1 socket, straight

Technical Details	Image						
	Order code	ZUB-KAB-12K502	ZUB-KAB-12K505	ZUB-KAB-12K802	ZUB-KAB-12K805	ZUB-KAB-12K810	ZUB-KAB-22K005
Way of connection		2 m PUR cable moulded	5 m PUR cable moulded	2 m PUR cable moulded	5 m PUR cable moulded	10 m PUR cable moulded	5 m PVC cable injection molded (plug/coupling)
Male insert		PUR		PUR		PVC	
Ring nut		Zinc die casting / Brass, nickel-plated		Zinc die casting / Brass, nickel-plated		CuZn, nickel-plated	
Cable outlet / cable diameter		6 mm		6 mm		-	
Cross section of wire		0.34 mm ²		0.25 mm ²		0.34 mm ²	
Number of contacts		5		8		4	
Protection		IP 67		IP 67		IP 67	
Rated voltage		60 V		60 V		250 V	
Rated current		2 A		2 A		4 A	
Ambient temperature		-25 ... +80 °C		-25 ... +80 °C		-25 ... +85 °C	

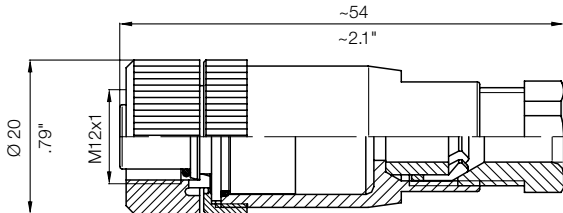
Round connector, M12x1 socket, angled

Technical Details	Image						
	Order code	ZUB-KAB-12W502	ZUB-KAB-12W505	ZUB-KAB-12W510	ZUB-KAB-12W802	ZUB-KAB-12W805	ZUB-KAB-12W810
Way of connection		2 m PUR cable moulded	5 m PUR cable moulded	10 m PUR cable moulded	2 m PUR cable moulded	5 m PUR cable moulded	10 m PUR cable moulded
Male insert		PUR			PUR		
Ring nut		Zinc die casting / Brass, nickel-plated			Zinc die casting / Brass, nickel-plated		
Cable outlet / cable diameter		6 mm			6 mm		
Cross section of wire		0.34 mm ²			0.25 mm ²		
Number of contacts		5			8		
Protection		IP 67			IP 67		
Rated voltage		60 V			60 V		
Rated current		2 A			2 A		
Ambient temperature		-25 ... +85 °C	-25 ... +80 °C		-25 ... +85 °C	-25 ... +80 °C	

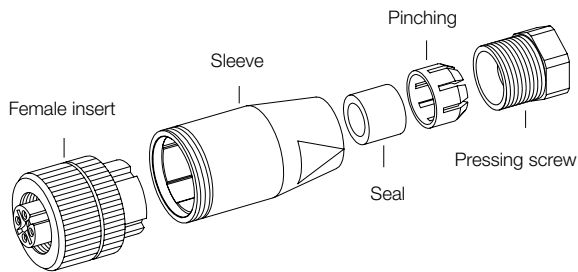
ZUB-KAB-12 D500

Terminals, 5-pin

Dimensions [mm]



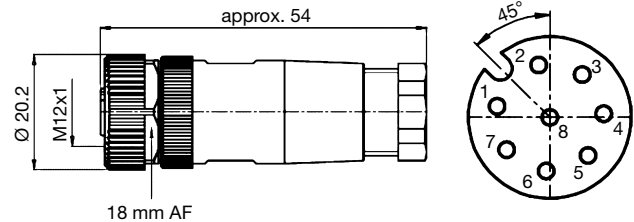
Component-part drawing



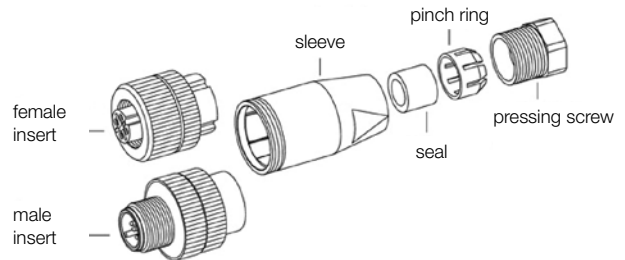
ZUB-KAB-12 D800

Terminals, 8-pin

Dimensions [mm]

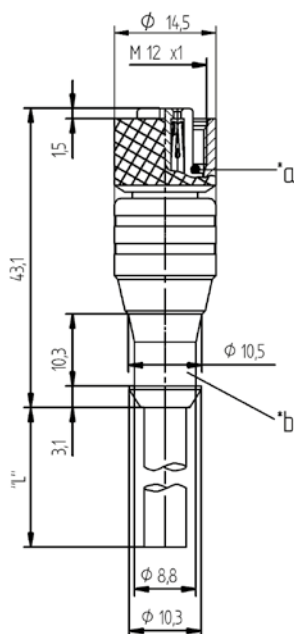


Component-part drawing



ZUB-KAB-12 K005, ZUB-KAB-12 K510

Dimensions [mm]



ZUB-KAB-12 Q000

Quickon, 4-pin

Diameter of wire, isolation inclusive: 1.3...2.5 mm

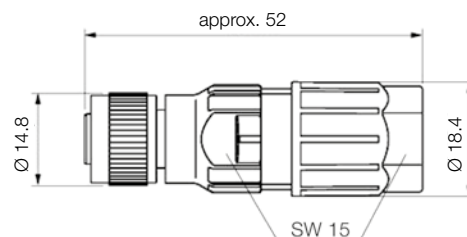
Frequency of connections of cables with the same cross section: 10 x

External diameter of the cable: minimum 4 mm maximum 7.5 mm

Isolation material of wire: PVC/PE

Tightening torque of ring nut: 1.2 Nm

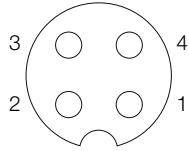
Dimensions [mm]



ZUB-KAB-12 K002, ZUB-KAB-12 K005, ZUB-KAB-22 K005

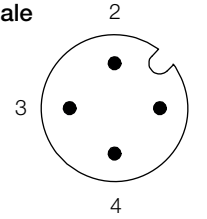
Pin assignment, female

- 1 = brown
- 2 = white
- 3 = blue
- 4 = black



ZUB-KAB-22 K005

Pin assignment, male



ZUB-KAB-12 K510

Pin assignment, female

- 1 = brown
- 2 = white
- 3 = blue
- 4 = black
- 5 = grey

