

# M12 Field Attachable



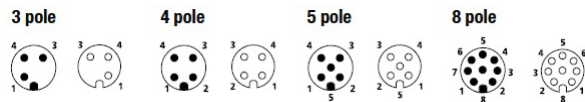
A-coded for Industrial automation, Screwable



**RKC - M12 Field Attachable Connector: female, straight, 3pin; 4-pin; 5 Pin; 8 Pin A-coded, unshielded, black housing, screw type.**

### Pin Assignments

Face Views / M12, Male / Female



Technical Data	RKC 4/3/7	RKC 4/3/9	RKC 4/7	RKC 4/9	RKC 5/7	RKC 5/9	RKC 8/9
Product Family:	Sensor / Actuator Connectors						
Product Sub Family:	M12 Standard						
Brand:	Belden						
Connector Type:	Field attachable						
Type of Contact / Gender:	female						
Connector Design:	straight						
Number of Pins:	3	3	4	4	5	5	8
Coding:	A						
Attachment Type:	Coupling Nut						
Rated Voltage:	250 V			60 V		30 V	
Rated Voltage (UL):	250 V AC/DC			30 V AC/DC		-	
Rated Impulse Voltage:	2.5 kV			1.5 kV		0.8 kV	
Operating Voltage:	230 V AC/DC			50 V AC / 60 V DC		30 V AC/DC	
Rated Current*:	4 A			2 A		-	
Rated Current (UL)*:	4 A			-		-	
Contact Resistance:	≤ 10 mOhm						
Insulation Resistance:	> 10 <sup>9</sup> Ohm						
Mating Cycles:	≤ 50						≤ 100
Type of Connection:	screw terminal						
Maximum Wire Cross Section:	max. 0,75 mm <sup>2</sup>						max. 0,50 mm <sup>2</sup>
Cable Gland:	PG7	PG9	PG7	PG9	PG7	PG9	PG9
Strain-Relief:	clamping cage						
Suitable Cables:	Ø4 - Ø6 mm	Ø6 - Ø8 mm	Ø4 - Ø6 mm	Ø6 - Ø8 mm	Ø4 - Ø6 mm	Ø6 - Ø8 mm	
Ambient Temperature (Operation)*:	-25°C to +85°C						-25°C to +90°C
Operating Temperature (UL):	max. 65 °C						
Protection Degree / IP Rating**:	IP65, IP67						
Design Standard:	IEC 61076-2-101						
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)						
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1						
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)				III acc. to DIN EN 60664-1 (VDE 0110-1)		

Materials	RKC 4/3/7	RKC 4/3/9	RKC 4/7	RKC 4/9	RKC 5/7	RKC 5/9	RKC 8/9
Contact Base Material:	CuZn						
Contact Plating:	CuSnZn						Cu/Au
Contact Bearer Material:	PA						PA-GF
Contact Bearer Color:	black						
Flammability Class (Contact Bearer):	UL 94 V-2						N/D
Housing Material:	PBT						
Housing Color:	black						
Flammability Class (Housing):	UL 94 HB						
Cable Gland Material:	PBT						N/D
Cable Gland Gasket:	NBR, black						
Attachment Material:	CuZn						
Attachment Plating:	nickel-plated						
O-Ring Material:	FKM/NBR						FKM/FPM Viton

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Additional Technical Data	RKC 4/3/7	RKC 4/3/9	RKC 4/7	RKC 4/9	RKC 5/7	RKC 5/9	RKC 8/9
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight						
Additional Technical Data							
UL-File:	E315587						
UL:	UL 2238; cURus						
Additional Technical Data							
RoHS Compliant:	yes						
Additional Technical Data							
Note Derating:	* Notice derating						
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.						

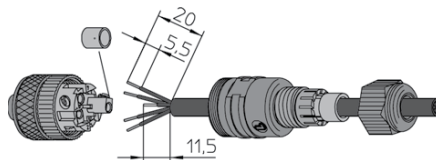
CODICE	DESCRIZIONE	N. POLI	D.CAVO [mm]	[A]	[V]	CAVO [mmq]
11212	RKC 4/3/7	3	4-6	4	240	MAX 0,75
11213	RKC 4/3/9	3	6-8	4	240	MAX 0,75
11214	RKC 4/7	4	4-6	4	240	MAX 0,75
11215	RKC 4/9	4	6-8	4	240	MAX 0,75
11220	RKC 5/7	5	4-6	4	60	MAX 0,75
11221	RKC 5/9	5	6-8	4	60	MAX 0,75
44995	RKC 8/9	8	6-8	2	30	MAX 0,5

## RSC | RKC

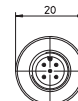


### Male, 3-, 4-, 5-, and 8-Pole

Field attachable connector, M12 male connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.



### RSC

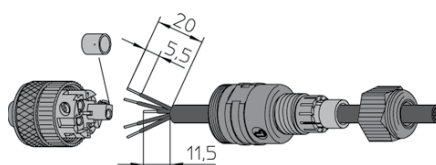


\*a O-ring  
\*b gasket  
\*c cap nut

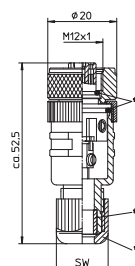


### Female, 3-, 4-, 5-, and 8-Pole

Field attachable connector, M12 female connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.



### RKC



\*a O-ring  
\*b gasket  
\*c cap nut