

M12-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61076-2-101

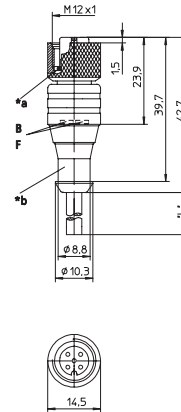
RKT/LED | RKWT/LED



3- and 4-Poles (LED)

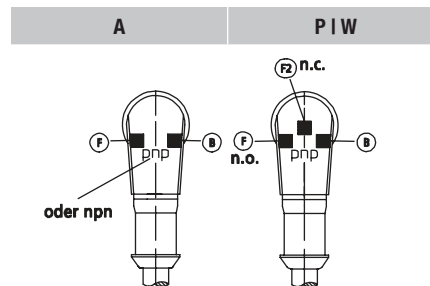
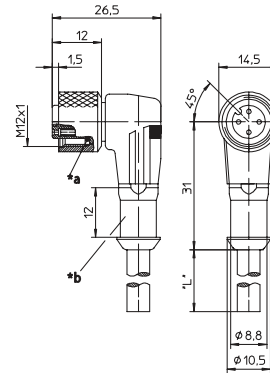
Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female straight connector with LED operation and function indicator with self-locking thread and molded cable.

RKT/LED



Actuator/sensor cordset, single-ended, M12, 3-, 4-, 5-, 8-, and 12-poles, female 90° connector with LED operation and function indicator with self-locking thread and molded cable.

RKWT/LED

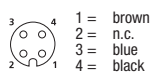


*a O-Ring
*b hose mounting
B operation indicator green
F function indicator yellow
F2 function indicator yellow = P, white = W

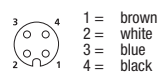
Pin Assignments

M12 - Male

3 poles

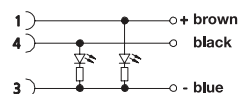


4 poles

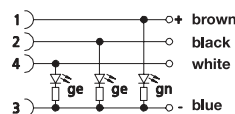


Wiring Diagrams

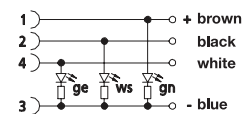
A pnp normally open = yellow-green



P pnp normally closed/open = yellow-yellow-green



W pnp normally closed/open = yellow-white-green





Be Certain with Belden

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RKT/LED | RKWT/LED

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, translucent
Insert TPU
Contact CuSn (12 poles: CuZn), pre-nickeled and 0.3 microns gold-plated
Coupling nut CuZn, nickel-plated
O-ring FKM

Electrical

Contact resistance $\leq 5 \text{ m}\Omega$
Nominal current at 40°C 4 A
Rated voltage 10-30 V DC
Insulation resistance $> 10^9 \Omega$

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
06	PVC	3 x 0.34 mm ²	Orange	.197" (5.0 mm)
07	PVC	4 x 0.75 mm ²	Orange	.197" (5.0 mm)
224	PUR, halogen-free	3 x 0.34 mm ²	Black	.169" (4.3 mm)
225	PUR, halogen-free	4 x 0.34 mm ²	Black	.185" (4.7 mm)
251	PUR, halogen-free welding spark proof	4 x 0.34 mm ²	Orange	.185" (4.7 mm)
260	PUR, halogen-free welding spark proof	3 x 0.34 mm ²	Orange	.177" (4.5 mm)
265	PUR, halogen-free	4 x 0.34 mm ²	Grey	.185" (4.7 mm)

Cordsets
Single-Ended

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
RKT/LED A 4-3-06/...M	RKWT/LED A 4-3-06/...M	3	PVC	2 M / 5 M / 10 M	 
RKT/LED A 4-3-224/...M	RKWT/LED A 4-3-224/...M		PUR, halogen-free	2 M / 5 M / 10 M	   
RKT/LED A 4-3-260/...M	RKWT/LED A 4-3-260/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	   
	RKWT/LED P 4-07/...M	4	PVC	2 M / 5 M / 10 M	 
	RKWT/LED P 4-225/...M		PUR, halogen-free	2 M / 5 M / 10 M	   
	RKWT/LED P 4-251/...M		PUR, halogen-free / welding spark proof	2 M / 5 M / 10 M	   
	RKWT/LED W 4-265/...M	4	PUR, halogen-free	2 M / 5 M / 10 M	   