

Single-Ended Overmolded M12 Power female/male connector for Power Applications, 5-Pole, K-coded

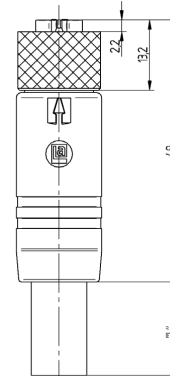
RKT(S) 5K | RST(S) 5K



5-Pole

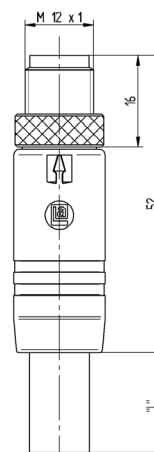
M12 power female shielded/unshielded cordset, straight, with threaded joint and molded cable, knurled screw with self-locking threaded joint, Optional 360° shielding connected to knurled screw, 5-pin, K-coded

RKT(S) 5K



M12 power male shielded/unshielded cordset, straight, with threaded joint and molded cable, knurled screw with self-locking threaded joint, Optional 360° shielding connected to knurled screw, 5-pin, K-coded

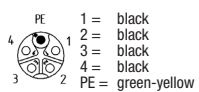
RST(S) 5K



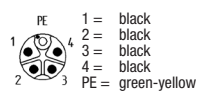
Pin Assignments

M12 K-coded

RKT(S) 5K (female)



RST(S) 5K (male)



Single-Ended Overmolded M12 M12 Power female/male connector for Power Applications, 5-Pole, K-coded

Technical Data

Environmental

Degree of protection IP65, IP67, IP69K
 Operating temperature range -40°C to +125°C

Type

Type contacts female/male
 Number of contacts 5 (4+PE); K - Coding
 Standard IEC 61076-2-111
 Construction type K-coded
 Conductor size 0.75mm², 2.5mm²
 Color contact bearer K: blue (Ral 5015)

Mechanical

Over molding TPE, blue or black
 Contact bearer PBT GF
 Contact CuNi
 Contact plating CuNi
 Screw Coupling Material CuZn
 O-ring FKM
 Surface coupling nut Cu/Ni

Electrical data

Contact resistance ≤ 10 mΩ
 Rated Current 16 A
 Operating voltage 600 V AC/DC
 Insulation resistance > 10⁹ Ω
 Pollution degree 3 acc. to DIN EN 60664-1 (VDE 0110-1)

Flammability class








over molding UL 94 HB
 Contact bearer UL 94 V-2

Approvals

VDE DIN EN 61984: in preparation
 UL K-Coding
 RoHS compliant 2011/65/EU

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Gauge	Jacket Color	Shielding	OD
735	PVC	5 x 1.50 mm ²	16	Black		0.338" (8.6 mm)
736	PVC	5 x 0.75 mm ²	20	Black		0.263" (6.7 mm)
911	PUR, halogen-free	5 x 1.50 mm ²	16	Black		0.314" (8.0 mm)
910	PUR, halogen-free	5 x 1.50 mm ²	16	Black	Braid	0.409" (10.4 mm)
916	PVC	5 x 1.50 mm ²	16	Black	Braid	0.409" (10.4 mm)
921	PUR, halogen-free	5 x 2.5mm ²	14	Black	Braid	0.484" (12.3 mm)
912	PUR, halogen-free	5 x 2.50 mm ²	14	Black	Braid	0.385" (9.8 mm)

Part Number		Pins	Shielding	Overmold	Standard Cable Lengths	Characteristics
Female	Male					
RKT 5K-911	RST 5K-911	5		Blue	2M / 5M / 10M / 15M	  
RKT 5K-911 SW	RST 5K-911 SW	5		Black	2M / 5M / 10M / 15M	  
RKT 5K-735	RST 5K-735	5		Blue	2M / 5M / 10M / 15M	 
RKT 5K-735 SW	RST 5K-735 SW	5		Black	2M / 5M / 10M / 15M	 
RKT 5K-736	RST 5K-736	5		Blue	2M / 5M / 10M / 15M	  
RKT 5K-736 SW	RST 5K-736 SW	5		Black	2M / 5M / 10M / 15M	  
RKTS 5K-910	RSTS 5K-910	5S	Shielded	Blue	2M / 5M / 10M / 15M	  
RKTS 5K-910 SW	RSTS 5K-910 SW	5S	Shielded	Black	2M / 5M / 10M / 15M	  
RKTS 5K-916	RSTS 5K-916	5S	Shielded	Blue	2M / 5M / 10M / 15M	  
RKTS 5K-916 SW	RSTS 5K-916 SW	5S	Shielded	Black	2M / 5M / 10M / 15M	  
RKTS 5K-921		5S	Shielded	Blue	10M / 15M	 