

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

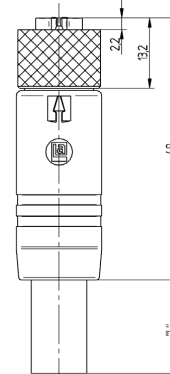
RKT(S) 5L | RST(S) 5L



5-Pole

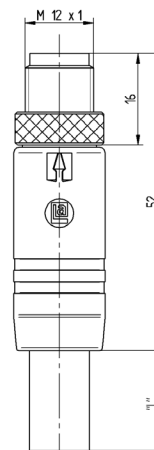
M12 power female shielded/unshielded cordset, straight, with threaded joint and molded cable, knurled screw with self-locking threaded joint, Optional 360° shielding connected to knurled screw, 5-pin, L-coded

RKT(S) 5L



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, L-coded

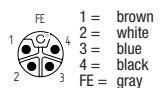
RST(S) 5L



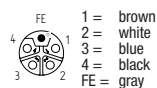
Pin Assignments

M12 L-coded

RST(S) 5L (male)



RKT(S) 5L (female)



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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); L - Coding
 Standard IEC 61076-2-111
 Construction type L-coded
 Conductor size 1.5 mm², 2.5 mm²
 Color contact bearer L: light grey (Ral 7035)

Mechanical

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

Electrical data

Contact resistance ≤ 10 mΩ
 Rated Current 16 A
 Operating voltage 50 V AC/60 V 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
 RoHS-compliant (2011/65/EU) Yes
 UL L-Coding

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Gauge	Jacket Color	Shield	OD
949	PUR, halogen-free	5 x 1.50 mm ²	16	Gray		0.409" (10.4 mm)
956	PUR, halogen-free	5 x 1.50 mm ²	16	Gray	braid	0.409" (10.4 mm)
950	PUR, halogen-free	5 x 2.50 mm ²	14	Gray		0.385" (9.80 mm)
957	PUR, halogen-free	5 x 2.50 mm ²	14	Gray	braid	0.484" (12.30 mm)

Part Number		Pins	Shielded	Overmold	Standard Cable Lengths	Characteristics
Female	Male					
RKT 5L-949	RST 5L-949	5		Blue	2M / 5M / 10M / 15M	 
RKT 5L-949 SW	RST 5L-949 SW	5		Black	2M / 5M / 10M	 
RKT 5L-950	RST 5L-950	5		Blue	20M / 30M	 
RKTS 5L-956	RSTS 5L-956	5S	Shielded	Blue	2M / 5M / 10M	  
RKTS 5L-956 SW	RSTS 5L-956 SW	5S	Shielded	Black	2M / 5M / 10M	