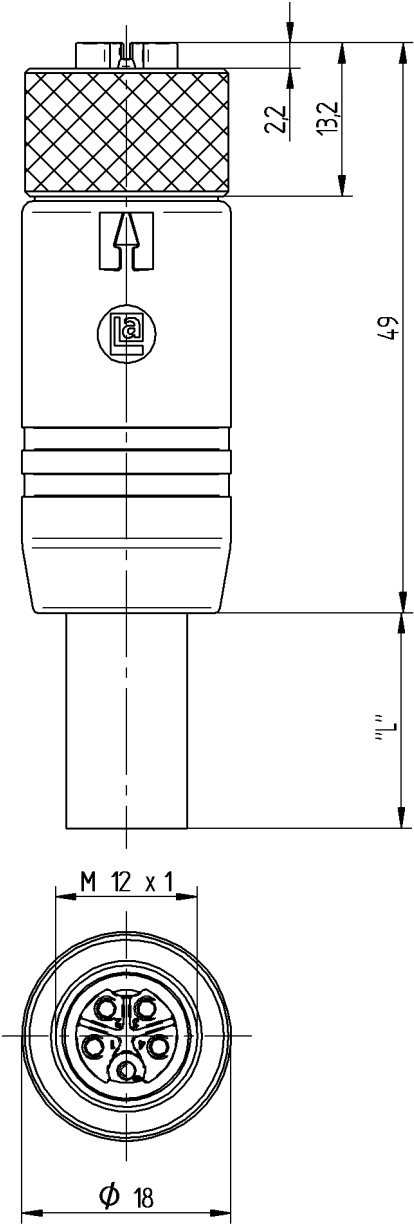
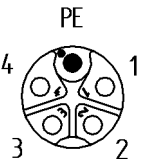
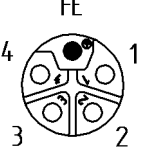


RoHS 



Typ/ type	Standard - Kontaktbelegung/	
	Polzahl/ number of poles	Farbkennung/ colour code
RKT(S) 5K...		1 = schwarz 1/black 1
		2 = schwarz 2/black 2
		3 = schwarz 3/black 3
		4 = schwarz 4/black 4
		PE = grüngelb/green-yellow
RKT(S) 5L...		1 = braun/brown
		2 = weiß/white
		3 = blau/blue
		4 = schwarz/black
		FE = grau/grey

The information/details in this datasheet merely contain general descriptions or performance factors which, when applied in an actual situation, do not always correspond with the described form, and may be amended by way of the further development of products. The desired performance factors shall only be binding if these are expressly agreed on conclusion of the contract.



Product description

- M12 female shielded / unshielded connector with threaded joint and molded cable
- knurled nut with self-locking threaded joint
- Optional 360° shielding connected to knurled nut

Type	RKT(S) 5...., see standard products
Order No	see standard products
Type of contacts	female
Number of contacts	5 (4+PE);, K - Coding 5 (4+FE);, L - Coding
Standard	IEC 61076-2-111
Construction type	K-, L-coded
Conductor size	2,5 mm ²
Color contact bearer	K: blue L: grey

Technical data

Clearance / Creepage distance	DIN EN 60664-1 (2008/01); VDE 0110-1
Rated voltage	see table, page 4
Operating voltage	600 V ac/dc, K-Coding 50 V ac / 60 V dc, L-Kodierung
Rated current *	16 A; 2,5 mm ²
Rated impulse voltage	see table, page 4
Overvoltage category	III acc. to DIN EN 60664-1 (VDE 0110-1)
Pollution degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact resistance	≤ 10 mΩ
Insulation resistance	> 10 ⁹ Ohm
Mating cycles	max. 100

* Notice derating

Materials

RoHS (EU directive)	2011/65/EU
Contact	CuNi
Contact plating	Cu/Au
Contact bearer	PBT GF
over molding	TPE, blue or black
Coupling nut	CuZn
O-ring	FKM
Surface coupling nut	Cu/Ni
Shielding sleeve	CuZn, plating: Ni

Environmental conditions

Protection class (IEC 60529) *	IP65, IP67, IP69
Protection class ISO 20653 (DIN 40050-9) *	IP69K
Temperature range (connector)	-40 °C to +125 °C, notice derating

* only if mounted and locked in combination with Hirschmann / Lumberg connector.

Flammability class

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

Approvals

VDE	DIN EN 61984: in preparation
UL	UL 2238 in preparation

Cable-data

Cabletype	see cable-datasheets
-----------	----------------------

further types on request

Additional technical data

Fastening torque (coupling nut)	M 12x1: (60-65) Ncm, hand-tight
---------------------------------	---------------------------------

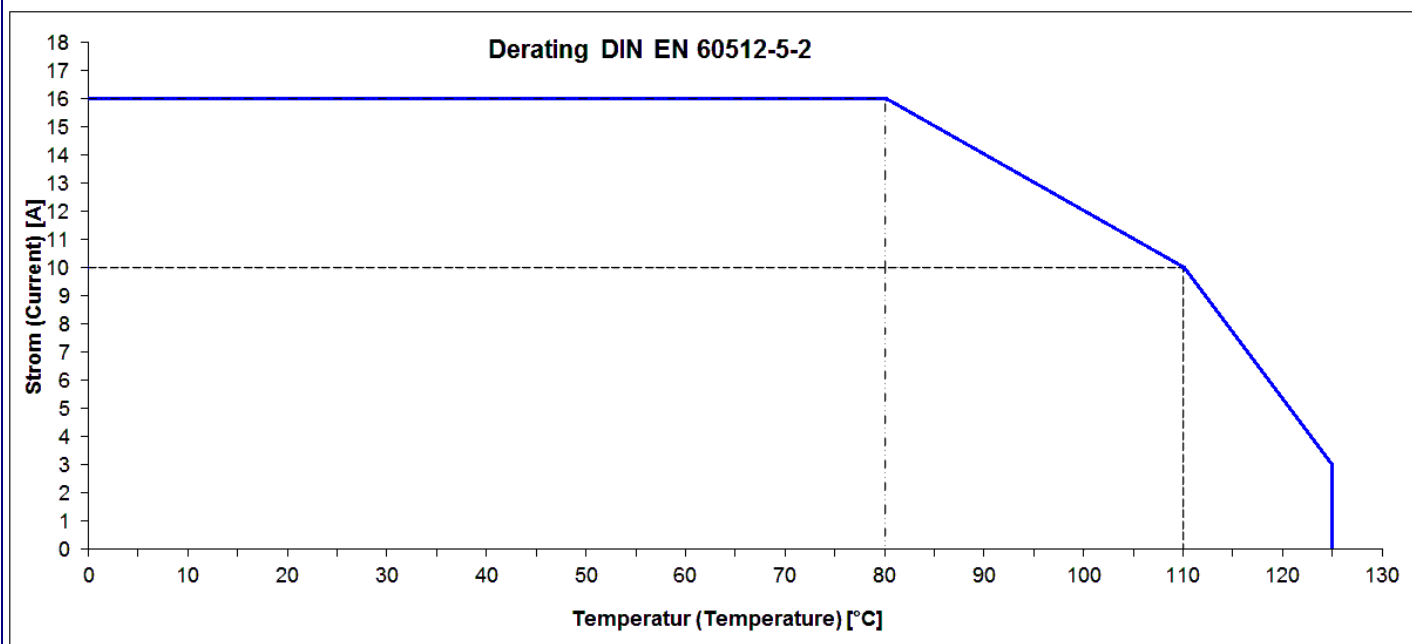
Cutline

Do not connect / disconnect under load.

Caution hot!

Under power the surface of the connector can reach a temperature of more then 56 °C (144 °F).

The specified electrical and mechanical characteristics require a properly locked connector.
When the connetor is unlocked and in risk of pollution the connector has to be covered with
a protective cap \geq IP54.



Standard products

Artikel-No.	Type	Rated voltage	Rated impulse voltage	Cable size
000-017-065	RKTS 5K-921/20 M	630 V	6,0 kV	2,50 mm ²
000-017-150	RKTS 5K-921/25 M	630 V	6,0 kV	2,50 mm ²
000-017-154	RKTS 5K-921/30 M	630 V	6,0 kV	2,50 mm ²
000-020-683	RKTS 5K-921/40 M	630 V	6 ,0kV	2,50 mm ²
934-849-073	RKTS 5K-921/10 M	630 V	6,0 kV	2,50 mm ²
934-849-074	RKTS 5K-921/15 M	630 V	6,0 kV	2,50 mm ²
934-849-079	RKT 5L-950/20 M	63 V	1,5 kV	2,50 mm ²
934-849-080	RKT 5L-950/30 M	63 V	1,5 kV	2,50 mm ²