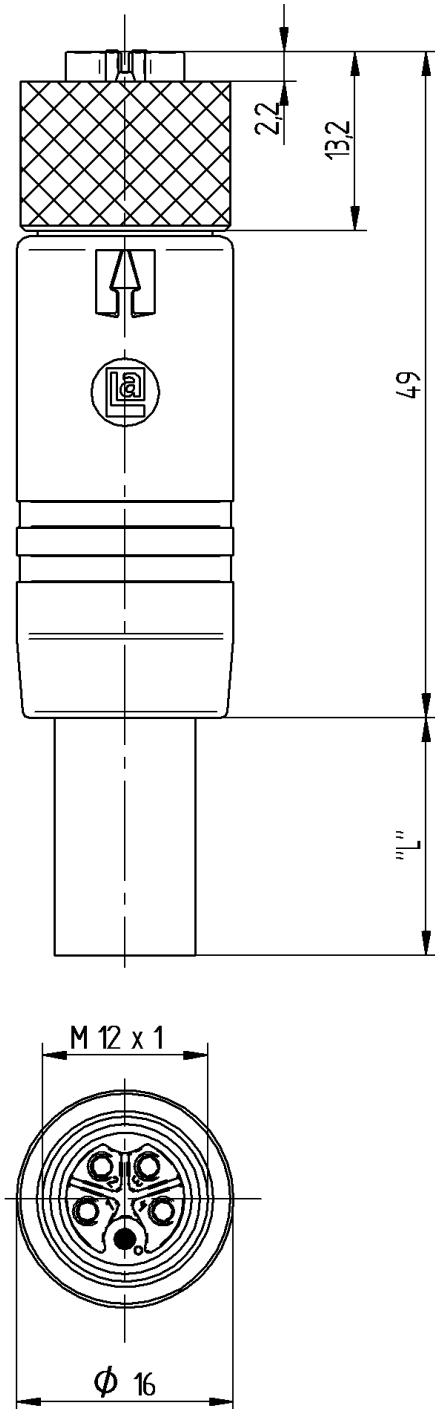
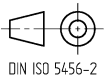


RoHS ✓



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

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) 4 / 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 4 (3+PE);, S - Coding 4;., T - Coding
Standard	IEC 61076-2-111
Construction type	K-, L-, S- or T-coded
Conductor size	1,5 mm ² *
Color contact bearer	K: blue L: grey S: black T: dark-grey

* Cable size: 0,75 mm² and 2,5 mm² on request

Technical data

Clearance / Creepage distance	DIN EN 60664-1 (2008/01); VDE 0110-1
Rated voltage	see table, last page
Operating voltage	600 V ac/dc, K- / S-Coding 50 V ac / 60 V dc, L- / T-Coding
Rated current *	16 A; 1,5 mm ² 10 A; 0,75 mm ²
Rated impulse voltage	see table, last page
Overtoltage 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
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, E315587

Cable-data

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

further types on request

Additional technical data

Fastening torque (coupling nut)	M 12x1: (50-60) Ncm, hand-tight
---------------------------------	---------------------------------

Cutline

Do not connect / disconnect under load.

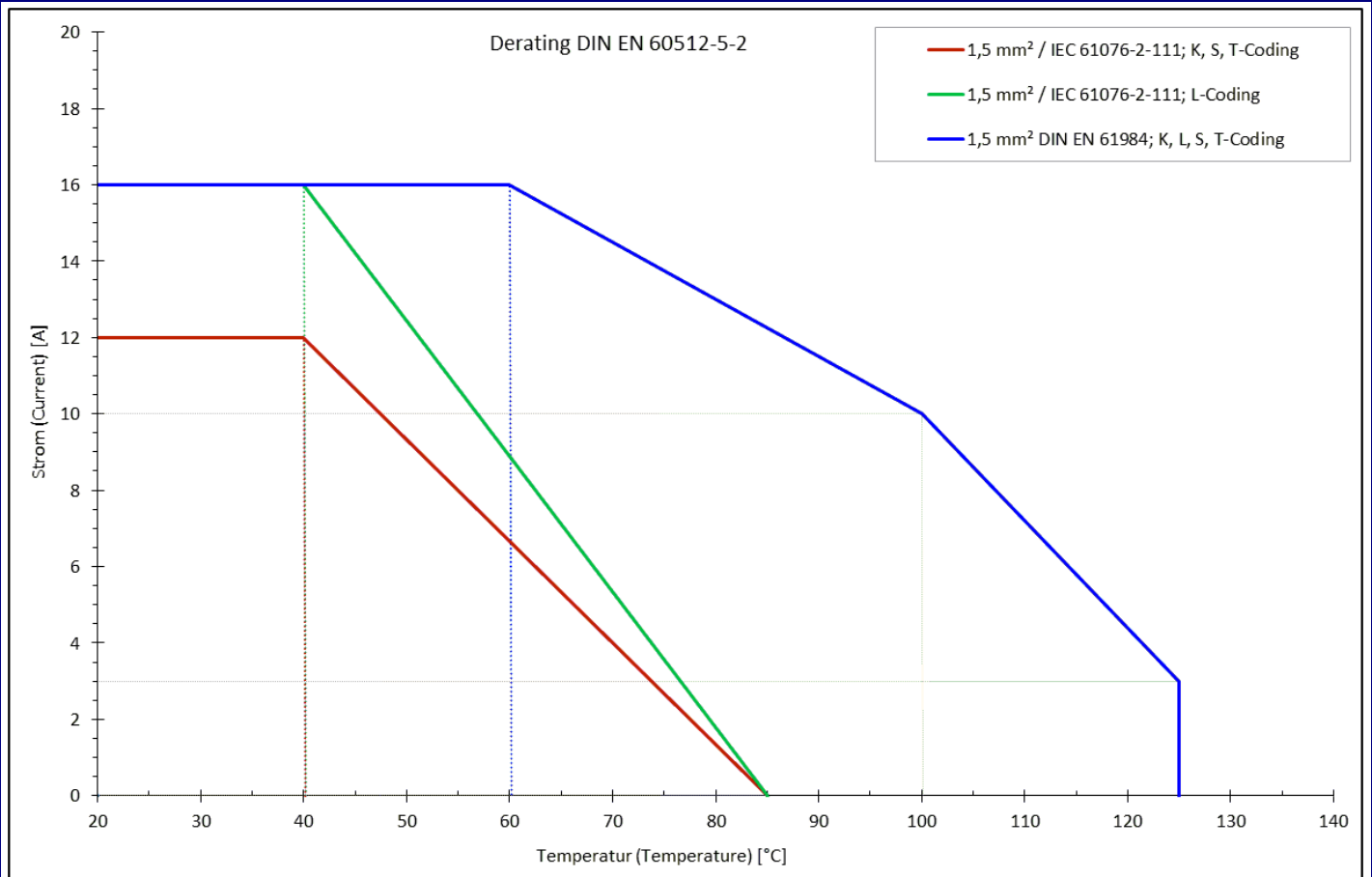
Caution hot!

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

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

"L" = standard length of control line

Further technical information on control lines see STL 700 to STL 740



Standard products

Artikel-No.	Type	Rated voltage	Rated impulse voltage	Cable size
000-018-615	RKTS 4S-700/3 M	630 V	6 kV	1,50 mm ²
000-020-033	RKT 4S-703/1 M	630 V	6 kV	1,50 mm ²
000-020-376	RKT 4T-723/0,65 M	63 V	1,5 kV	1,50 mm ²
934-849-001	RKT 4S-703/2 M	630 V	6 kV	1,50 mm ²
934-849-002	RKT 4S-703/5 M	630 V	6 kV	1,50 mm ²
934-849-003	RKT 4S-703/10 M	630 V	6 kV	1,50 mm ²
934-849-004	RKT 4S-703/15 M	630 V	6 kV	1,50 mm ²
934-849-005	RKT 4S-733/2 M	630 V	6 kV	1,50 mm ²
934-849-006	RKT 4S-733/5 M	630 V	6 kV	1,50 mm ²
934-849-007	RKT 4S-733/10 M	630 V	6 kV	1,50 mm ²
934-849-008	RKT 4S-733/15 M	630 V	6 kV	1,50 mm ²
934-849-009	RKT 4T-723/2 M	63 V	1,5 kV	1,50 mm ²
934-849-010	RKT 4T-723/5 M	63 V	1,5 kV	1,50 mm ²
934-849-011	RKT 4T-723/10 M	63 V	1,5 kV	1,50 mm ²
934-849-012	RKT 4T-723/15 M	63 V	1,5 kV	1,50 mm ²
934-849-017	RKT 5K-911/2 M	630 V	6 kV	1,50 mm ²
934-849-018	RKT 5K-911/5 M	630 V	6 kV	1,50 mm ²
934-849-019	RKT 5K-911/10 M	630 V	6 kV	1,50 mm ²
934-849-020	RKT 5K-911/15 M	630 V	6 kV	1,50 mm ²
934-849-021	RKT 5K-735/2 M	630 V	6 kV	1,50 mm ²
934-849-022	RKT 5K-735/5 M	630 V	6 kV	1,50 mm ²
934-849-023	RKT 5K-735/10 M	630 V	6 kV	1,50 mm ²
934-849-024	RKT 5K-735/15 M	630 V	6 kV	1,50 mm ²
934-849-025	RKT 5K-736/2 M	630 V	6 kV	0,75 mm ²
934-849-026	RKT 5K-736/5 M	630 V	6 kV	0,75 mm ²
934-849-027	RKT 5K-736/10 M	630 V	6 kV	0,75 mm ²
934-849-028	RKT 5K-736/15 M	630 V	6 kV	0,75 mm ²
934-849-039	RKTS 4S-700/2 M	630 V	6 kV	1,50 mm ²
934-849-040	RKTS 4S-700/5 M	630 V	6 kV	1,50 mm ²
934-849-041	RKTS 4S-700/10 M	630 V	6 kV	1,50 mm ²
934-849-042	RKTS 4S-700/15 M	630 V	6 kV	1,50 mm ²
934-849-043	RKTS 4S-915/2 M	630 V	6 kV	1,50 mm ²
934-849-044	RKTS 4S-915/5 M	630 V	6 kV	1,50 mm ²
934-849-045	RKTS 4S-915/10 M	630 V	6 kV	1,50 mm ²
934-849-046	RKTS 4S-915/15 M	630 V	6 kV	1,50 mm ²
934-849-047	RKTS 4T-722/2 M	63 V	1,5 kV	1,50 mm ²
934-849-048	RKTS 4T-722/5 M	63 V	1,5 kV	1,50 mm ²
934-849-049	RKTS 4T-722/10 M	63 V	1,5 kV	1,50 mm ²
934-849-050	RKTS 4T-722/15 M	63 V	1,5 kV	1,50 mm ²
934-849-055	RKTS 5K-910/2 M	630 V	6 kV	1,50 mm ²
934-849-056	RKTS 5K-910/5 M	630 V	6 kV	1,50 mm ²
934-849-057	RKTS 5K-910/10 M	630 V	6 kV	1,50 mm ²
934-849-058	RKTS 5K-910/15 M	630 V	6 kV	1,50 mm ²
934-849-059	RKTS 5K-916/2 M	630 V	6 kV	1,50 mm ²
934-849-060	RKTS 5K-916/5 M	630 V	6 kV	1,50 mm ²
934-849-061	RKTS 5K-916/10 M	630 V	6 kV	1,50 mm ²
934-849-062	RKTS 5K-916/15 M	630 V	6 kV	1,50 mm ²
934-849-075	RKT 5L-949/2 M	63 V	1,5 kV	1,50 mm ²
934-849-076	RKT 5L-949/5 M	63 V	1,5 kV	1,50 mm ²
934-849-077	RKT 5L-949/10 M	63 V	1,5 kV	1,50 mm ²
934-849-078	RKT 5L-949/15 M	63 V	1,5 kV	1,50 mm ²
934-849-081	RKTS 5L-956/2 M	63 V	1,5 kV	1,50 mm ²
934-849-082	RKTS 5L-956/5 M	63 V	1,5 kV	1,50 mm ²
934-849-083	RKTS 5L-956/10 M	63 V	1,5 kV	1,50 mm ²
934-849-301	RKT 4S-703/2 M SW	630 V	6 kV	1,50 mm ²
934-849-302	RKT 4S-703/5 M SW	630 V	6 kV	1,50 mm ²
934-849-303	RKT 4S-703/10 M SW	630 V	6 kV	1,50 mm ²
934-849-304	RKT 4S-703/15 M SW	630 V	6 kV	1,50 mm ²
934-849-305	RKT 4S-733/2 M SW	630 V	6 kV	1,50 mm ²
934-849-306	RKT 4S-733/5 M SW	630 V	6 kV	1,50 mm ²

Datasheet-No. 934-849-999 Type: RKT(S) .../... M

EN Revison: 11 Created: 2017-04-21 pkuhn **M12 female power connector 4 / 5-poles**

934-849-307	RKT 4S-733/10 M SW	630 V	6 kV	1,50 mm ²
934-849-308	RKT 4S-733/15 M SW	630 V	6 kV	1,50 mm ²
934-849-309	RKT 4T-723/2 M SW	63 V	1,5 kV	1,50 mm ²
934-849-310	RKT 4T-723/5 M SW	63 V	1,5 kV	1,50 mm ²
934-849-311	RKT 4T-723/10 M SW	63 V	1,5 kV	1,50 mm ²
934-849-312	RKT 4T-723/15 M SW	63 V	1,5 kV	1,50 mm ²
934-849-317	RKT 5K-911/2 M SW	630 V	6 kV	1,50 mm ²
934-849-318	RKT 5K-911/5 M SW	630 V	6 kV	1,50 mm ²
934-849-319	RKT 5K-911/10 M SW	630 V	6 kV	1,50 mm ²
934-849-320	RKT 5K-911/15 M SW	630 V	6 kV	1,50 mm ²
934-849-321	RKT 5K-735/2 M SW	630 V	6 kV	1,50 mm ²
934-849-322	RKT 5K-735/5 M SW	630 V	6 kV	1,50 mm ²
934-849-323	RKT 5K-735/10 M SW	630 V	6 kV	1,50 mm ²
934-849-324	RKT 5K-735/15 M SW	630 V	6 kV	1,50 mm ²
934-849-325	RKT 5K-736/2 M SW	630 V	6 kV	0,75 mm ²
934-849-326	RKT 5K-736/5 M SW	630 V	6 kV	0,75 mm ²
934-849-327	RKT 5K-736/10 M SW	630 V	6 kV	0,75 mm ²
934-849-328	RKT 5K-736/15 M SW	630 V	6 kV	0,75 mm ²
934-849-339	RKTS 4S-700/2 M SW	630 V	6 kV	1,50 mm ²
934-849-340	RKTS 4S-700/5 M SW	630 V	6 kV	1,50 mm ²
934-849-341	RKTS 4S-700/10 M SW	630 V	6 kV	1,50 mm ²
934-849-342	RKTS 4S-700/15 M SW	630 V	6 kV	1,50 mm ²
934-849-343	RKTS 4S-915/2 M SW	630 V	6 kV	1,50 mm ²
934-849-344	RKTS 4S-915/5 M SW	630 V	6 kV	1,50 mm ²
934-849-345	RKTS 4S-915/10 M SW	630 V	6 kV	1,50 mm ²
934-849-346	RKTS 4S-915/15 M SW	630 V	6 kV	1,50 mm ²
934-849-347	RKTS 4T-722/2 M SW	63 V	1,5 kV	1,50 mm ²
934-849-348	RKTS 4T-722/5 M SW	63 V	1,5 kV	1,50 mm ²
934-849-349	RKTS 4T-722/10 M SW	63 V	1,5 kV	1,50 mm ²
934-849-350	RKTS 4T-722/15 M SW	63 V	1,5 kV	1,50 mm ²
934-849-355	RKTS 5K-910/2 M SW	630 V	6 kV	1,50 mm ²
934-849-356	RKTS 5K-910/5 M SW	630 V	6 kV	1,50 mm ²
934-849-357	RKTS 5K-910/10 M SW	630 V	6 kV	1,50 mm ²
934-849-358	RKTS 5K-910/15 M SW	630 V	6 kV	1,50 mm ²
934-849-359	RKTS 5K-916/2 M SW	630 V	6 kV	1,50 mm ²
934-849-360	RKTS 5K-916/5 M SW	630 V	6 kV	1,50 mm ²
934-849-361	RKTS 5K-916/10 M SW	630 V	6 kV	1,50 mm ²
934-849-362	RKTS 5K-916/15 M SW	630 V	6 kV	1,50 mm ²
934-849-381	RKT 5L-949/2 M SW	63 V	1,5 kV	1,50 mm ²
934-849-382	RKT 5L-949/5 M SW	63 V	1,5 kV	1,50 mm ²
934-849-383	RKT 5L-949/10 M SW	63 V	1,5 kV	1,50 mm ²
934-849-384	RKTS 5L-956/2 M SW	63 V	1,5 kV	1,50 mm ²
934-849-385	RKTS 5L-956/5 M SW	63 V	1,5 kV	1,50 mm ²
934-849-386	RKTS 5L-956/10 M SW	63 V	1,5 kV	1,50 mm ²