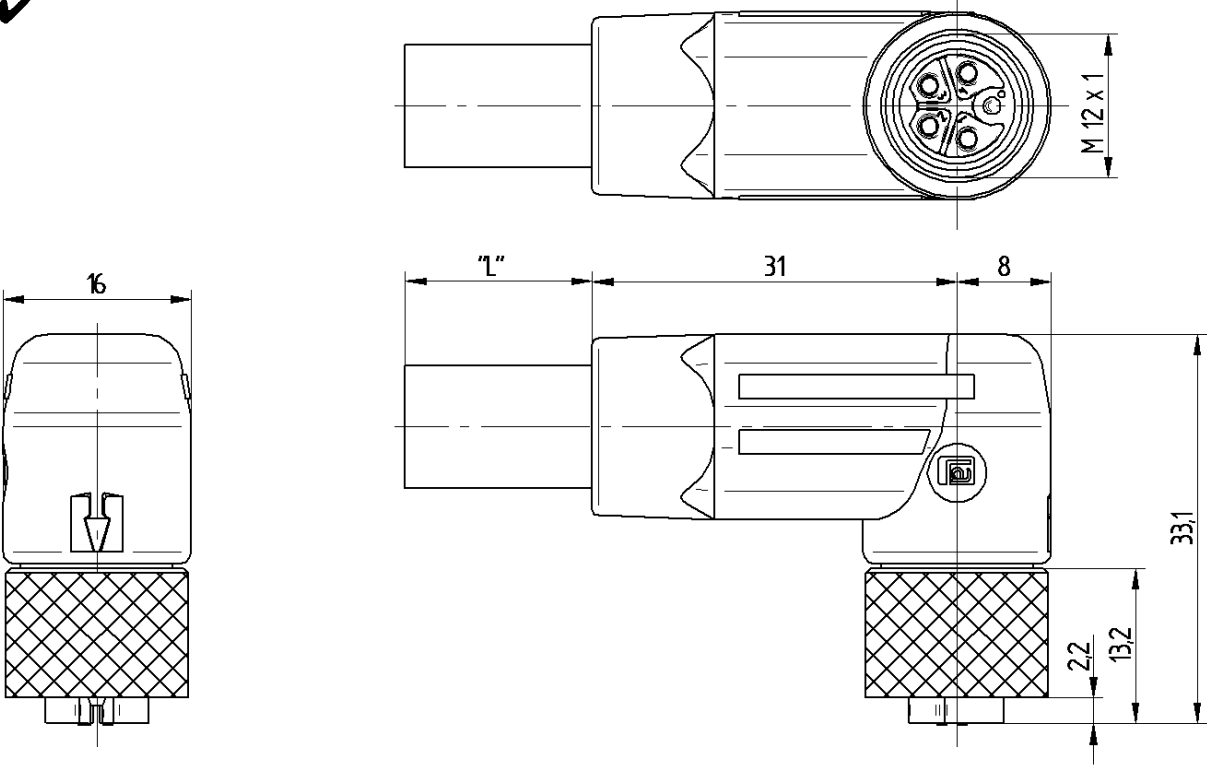

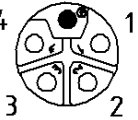


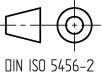


RoHS 



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

Type	RKWT(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+PE), 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, page 1
Operating voltage	600 V ac/dc, K- / S-Coding 50 V ac / 60 V dc, L- / T-Kodierung
Rated current *	16 A; 1,5 mm ² 10 A; 0,75 mm ²
Rated impulse voltage	see table, page 1
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
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, unshielded shielded in preparation.

Cable-data

Cabletype	see cable-datasheets
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further types on request

Additional technical data

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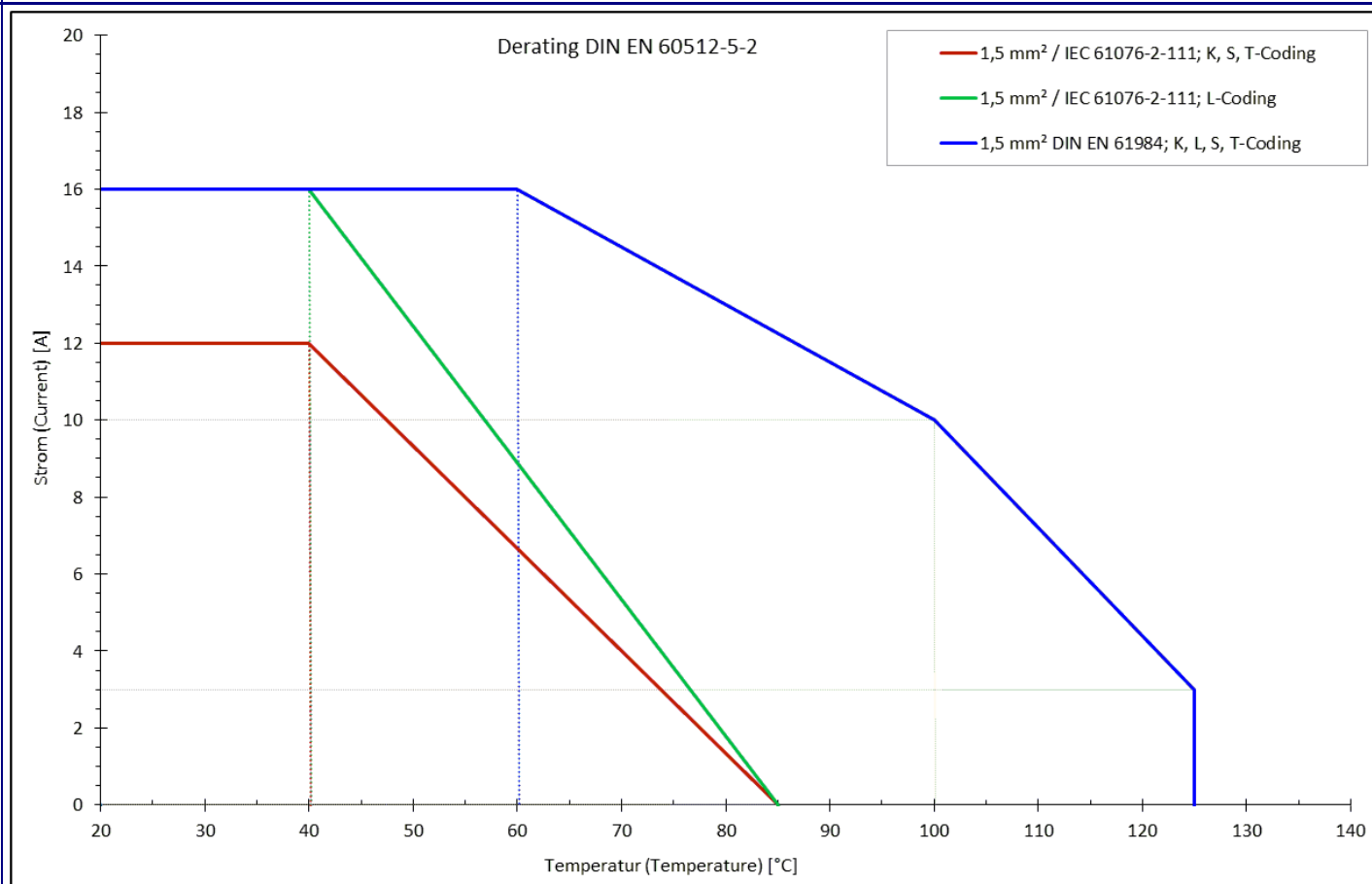
Cutline

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 ≥ IP54.



Standard products

Artikel-No.	Type	Rated voltage	Rated impulse voltage	Cable size
934-850-001	RKWT 4S-703/2 M	630 V	6 kV	1,50 mm ²
934-850-002	RKWT 4S-703/5 M	630 V	6 kV	1,50 mm ²
934-850-003	RKWT 4S-703/10 M	630 V	6 kV	1,50 mm ²
934-850-004	RKWT 4S-703/15 M	630 V	6 kV	1,50 mm ²
934-850-005	RKWT 4S-733/2 M	630 V	6 kV	1,50 mm ²
934-850-006	RKWT 4S-733/5 M	630 V	6 kV	1,50 mm ²
934-850-007	RKWT 4S-733/10 M	630 V	6 kV	1,50 mm ²
934-850-008	RKWT 4S-733/15 M	630 V	6 kV	1,50 mm ²
934-850-009	RKWT 4T-723/2 M	63 V	1,5 kV	1,50 mm ²
934-850-010	RKWT 4T-723/5 M	63 V	1,5 kV	1,50 mm ²
934-850-011	RKWT 4T-723/10 M	63 V	1,5 kV	1,50 mm ²
934-850-012	RKWT 4T-723/15 M	63 V	1,5 kV	1,50 mm ²
934-850-017	RKWT 5K-911/2 M	630 V	6 kV	1,50 mm ²
934-850-018	RKWT 5K-911/5 M	630 V	6 kV	1,50 mm ²
934-850-019	RKWT 5K-911/10 M	630 V	6 kV	1,50 mm ²
934-850-020	RKWT 5K-911/15 M	630 V	6 kV	1,50 mm ²
934-850-021	RKWT 5K-735/2 M	630 V	6 kV	1,50 mm ²
934-850-022	RKWT 5K-735/5 M	630 V	6 kV	1,50 mm ²
934-850-023	RKWT 5K-735/10 M	630 V	6 kV	1,50 mm ²
934-850-024	RKWT 5K-735/15 M	630 V	6 kV	1,50 mm ²
934-850-025	RKWT 5K-736/2 M	630 V	6 kV	0,75 mm ²
934-850-026	RKWT 5K-736/5 M	630 V	6 kV	0,75 mm ²
934-850-027	RKWT 5K-736/10 M	630 V	6 kV	0,75 mm ²
934-850-028	RKWT 5K-736/15 M	630 V	6 kV	0,75 mm ²
934-850-039	RKWTS 4S-700/2 M	630 V	6 kV	1,50 mm ²
934-850-040	RKWTS 4S-700/5 M	630 V	6 kV	1,50 mm ²
934-850-041	RKWTS 4S-700/10 M	630 V	6 kV	1,50 mm ²
934-850-042	RKWTS 4S-700/15 M	630 V	6 kV	1,50 mm ²
934-850-043	RKWTS 4S-915/2 M	630 V	6 kV	1,50 mm ²
934-850-044	RKWTS 4S-915/5 M	630 V	6 kV	1,50 mm ²
934-850-045	RKWTS 4S-915/10 M	630 V	6 kV	1,50 mm ²
934-850-046	RKWTS 4S-915/15 M	630 V	6 kV	1,50 mm ²
934-850-047	RKWTS 4T-722/2 M	63 V	1,5 kV	1,50 mm ²
934-850-048	RKWTS 4T-722/5 M	63 V	1,5 kV	1,50 mm ²
934-850-049	RKWTS 4T-722/10 M	63 V	1,5 kV	1,50 mm ²
934-850-050	RKWTS 4T-722/15 M	63 V	1,5 kV	1,50 mm ²
934-850-055	RKWTS 5K-910/2 M	630 V	6 kV	1,50 mm ²
934-850-056	RKWTS 5K-910/5 M	630 V	6 kV	1,50 mm ²
934-850-057	RKWTS 5K-910/10 M	630 V	6 kV	1,50 mm ²
934-850-058	RKWTS 5K-910/15 M	630 V	6 kV	1,50 mm ²
934-850-059	RKWTS 5K-916/2 M	630 V	6 kV	1,50 mm ²
934-850-060	RKWTS 5K-916/5 M	630 V	6 kV	1,50 mm ²
934-850-061	RKWTS 5K-916/10 M	630 V	6 kV	1,50 mm ²
934-850-062	RKWTS 5K-916/15 M	630 V	6 kV	1,50 mm ²
934-850-075	RKWT 5L-949/2 M	63 V	1,5 kV	1,50 mm ²
934-850-076	RKWT 5L-949/5 M	63 V	1,5 kV	1,50 mm ²
934-850-077	RKWT 5L-949/10 M	63 V	1,5 kV	1,50 mm ²
934-850-078	RKWT 5L-949/15 M	63 V	1,5 kV	1,50 mm ²
934-850-301	RKWT 4S-703/2 M SW	630 V	6 kV	1,50 mm ²
934-850-302	RKWT 4S-703/5 M SW	630 V	6 kV	1,50 mm ²
934-850-303	RKWT 4S-703/10 M SW	630 V	6 kV	1,50 mm ²
934-850-304	RKWT 4S-703/15 M SW	630 V	6 kV	1,50 mm ²
934-850-305	RKWT 4S-733/2 M SW	630 V	6 kV	1,50 mm ²
934-850-306	RKWT 4S-733/5 M SW	630 V	6 kV	1,50 mm ²
934-850-307	RKWT 4S-733/10 M SW	630 V	6 kV	1,50 mm ²
934-850-308	RKWT 4S-733/15 M SW	630 V	6 kV	1,50 mm ²
934-850-309	RKWT 4T-723/2 M SW	63 V	1,5 kV	1,50 mm ²
934-850-310	RKWT 4T-723/5 M SW	63 V	1,5 kV	1,50 mm ²
934-850-311	RKWT 4T-723/10 M SW	63 V	1,5 kV	1,50 mm ²
934-850-312	RKWT 4T-723/15 M SW	63 V	1,5 kV	1,50 mm ²

Datasheet-No. 934-850-999 Type: RKWT(S) .../... M

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M12 female power connector 4 / 5-poles

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934-850-317	RKWT 5K-911/2 M SW	630 V	6 kV	1,50 mm ²
934-850-318	RKWT 5K-911/5 M SW	630 V	6 kV	1,50 mm ²
934-850-319	RKWT 5K-911/10 M SW	630 V	6 kV	1,50 mm ²
934-850-320	RKWT 5K-911/15 M SW	630 V	6 kV	1,50 mm ²
934-850-321	RKWT 5K-735/2 M SW	630 V	6 kV	1,50 mm ²
934-850-322	RKWT 5K-735/5 M SW	630 V	6 kV	1,50 mm ²
934-850-323	RKWT 5K-735/10 M SW	630 V	6 kV	1,50 mm ²
934-850-324	RKWT 5K-735/15 M SW	630 V	6 kV	1,50 mm ²
934-850-325	RKWT 5K-736/2 M SW	630 V	6 kV	0,75 mm ²
934-850-326	RKWT 5K-736/5 M SW	630 V	6 kV	0,75 mm ²
934-850-327	RKWT 5K-736/10 M SW	630 V	6 kV	0,75 mm ²
934-850-328	RKWT 5K-736/15 M SW	630 V	6 kV	0,75 mm ²
934-850-339	RKWTS 4S-700/2 M SW	630 V	6 kV	1,50 mm ²
934-850-340	RKWTS 4S-700/5 M SW	630 V	6 kV	1,50 mm ²
934-850-341	RKWTS 4S-700/10 M SW	630 V	6 kV	1,50 mm ²
934-850-342	RKWTS 4S-700/15 M SW	630 V	6 kV	1,50 mm ²
934-850-343	RKWTS 4S-915/2 M SW	630 V	6 kV	1,50 mm ²
934-850-344	RKWTS 4S-915/5 M SW	630 V	6 kV	1,50 mm ²
934-850-345	RKWTS 4S-915/10 M SW	630 V	6 kV	1,50 mm ²
934-850-346	RKWTS 4S-915/15 M SW	630 V	6 kV	1,50 mm ²
934-850-347	RKWTS 4T-722/2 M SW	63 V	1,5 kV	1,50 mm ²
934-850-348	RKWTS 4T-722/5 M SW	63 V	1,5 kV	1,50 mm ²
934-850-349	RKWTS 4T-722/10 M SW	63 V	1,5 kV	1,50 mm ²
934-850-350	RKWTS 4T-722/15 M SW	63 V	1,5 kV	1,50 mm ²
934-850-355	RKWTS 5K-910/2 M SW	630 V	6 kV	1,50 mm ²
934-850-356	RKWTS 5K-910/5 M SW	630 V	6 kV	1,50 mm ²
934-850-357	RKWTS 5K-910/10 M SW	630 V	6 kV	1,50 mm ²
934-850-358	RKWTS 5K-910/15 M SW	630 V	6 kV	1,50 mm ²
934-850-359	RKWTS 5K-916/2 M SW	630 V	6 kV	1,50 mm ²
934-850-360	RKWTS 5K-916/5 M SW	630 V	6 kV	1,50 mm ²
934-850-361	RKWTS 5K-916/10 M SW	630 V	6 kV	1,50 mm ²
934-850-362	RKWTS 5K-916/15 M SW	630 V	6 kV	1,50 mm ²