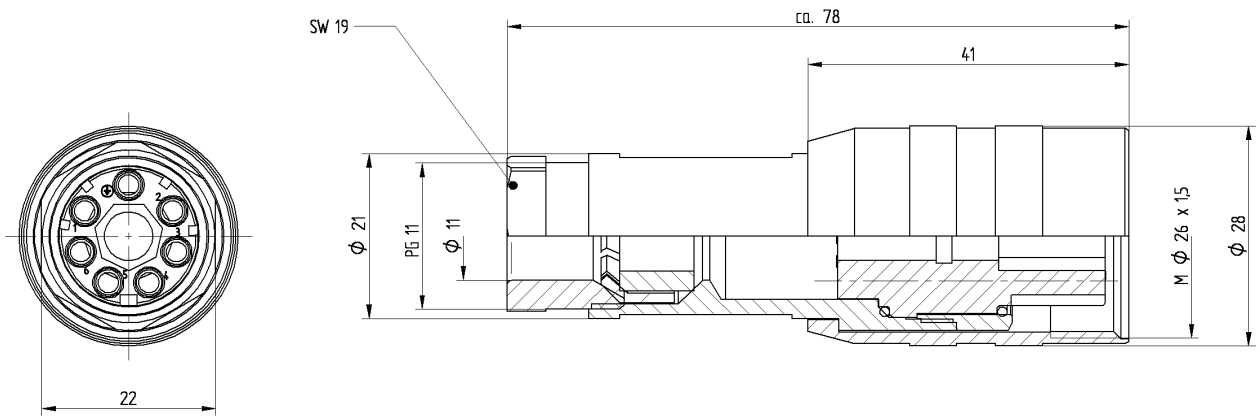
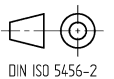


RoHS ✓



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**

Description	Cable socket straight
Type	N6R EF
Order No	931-720-001
Type of contacts	female *
Number of contacts	6+PE
Cable gland	PG 11
Strain-relief	clamping cage
Conductor size	0,50 mm <sup>2</sup> to 1,50 mm <sup>2</sup> *
Standard	DIN EN 175201-804
Construction type	EF
Color housing	black

\* crimp contact not part of delivery. see accessories

**Technical data**

Clearance / Creepage distance	DIN EN 60664-1 (2008/01); VDE 0110-1
Rated voltage	250 V AC/DC
Rated current *	10 A
Rated impulse voltage	2,5 kV
Pollution degree	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact resistance	< 10 mOhm
Type of connection	crimp
Mating cycles	max. 50
Suitable cables	Ø7 mm to Ø9 mm
Mounting	locking nut M 26x1,5

\* Notice derating

**Materials**

Contact	to order separate, see accessories
Contact bearer	PBT GF, grey
Housing	PBT GF, grey
Gasket(s)	SBR/NBR, cable gland NBR, O-ring
Coupling nut	AL
Cable gland screw	PA 6 GF, grey
Clamp cage	POM

**Resistances**

Housing	Hydraulic oil HM22 acc. EN ISO 6743-4
Gasket	Hydraulic oil HM22 acc. EN ISO 6743-4

**Environmental conditions**

Protection class (IEC 60529) *	IP65, IP67
Temperature range	-40°C to +90°C, notice derating

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

**Flammability class**

Contact bearer	UL 94 V-0
Housing	UL 94 V-0
Cable gland screw	UL 94 HB

**Accessories**

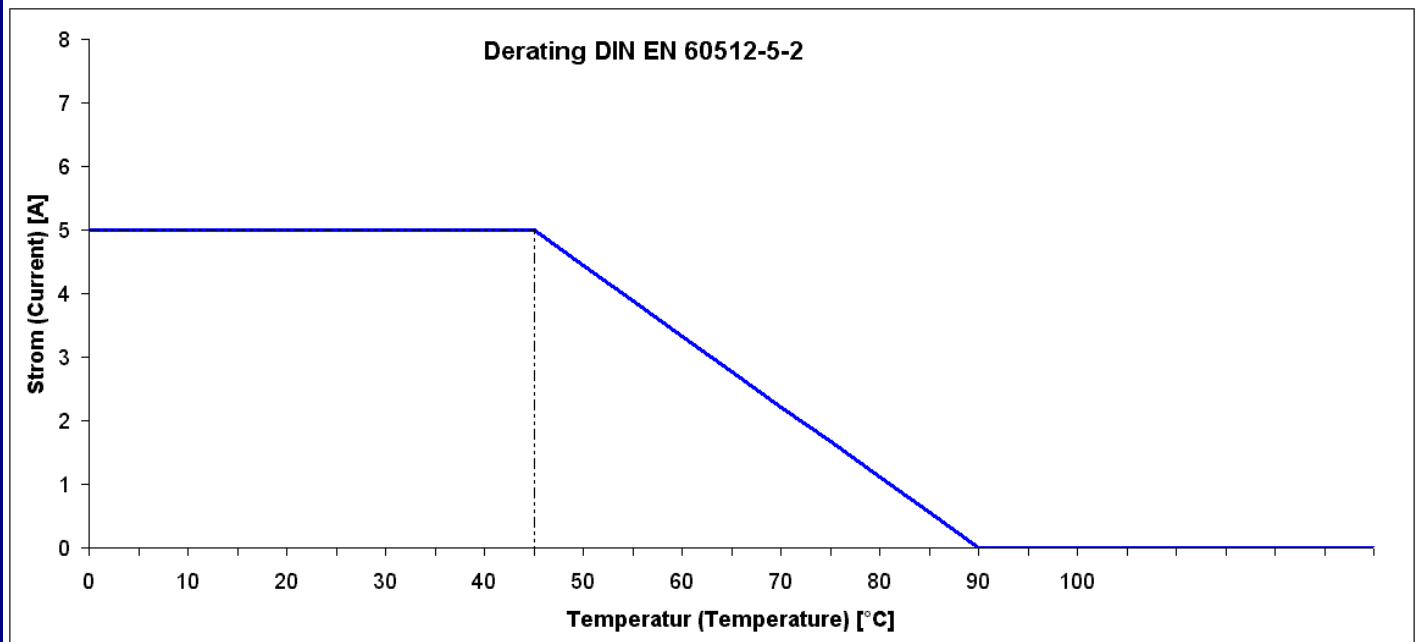
Mating connectors	N6R AM..., appliance plug N6R AM 5..., appliance plug N6R BM, appliance plug N6R DM, appliance plug
Accessories to order separately	731-724-...: RBC 162 Ag, crimp contact (single) 731-726-...: RBCB 162 Ag, crimp contact (on coil)

**Additional technical data**

Fastening torque (coupling nut)	M26x1,5: (100-150) Ncm
Fastening torque (housing)	M22x0,75: (80-100) Ncm
Fastening torque (cable gland)	PG 11: (250-375) Ncm

**Notes**

Do not connect or disconnect under load.



product overview

Article-No.	Type
931-720-001	N6R EF