

Technical Data

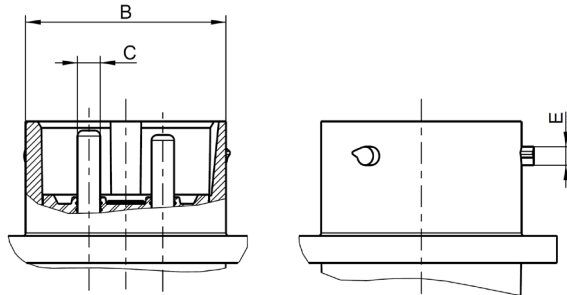
Rosenberger

7F2R

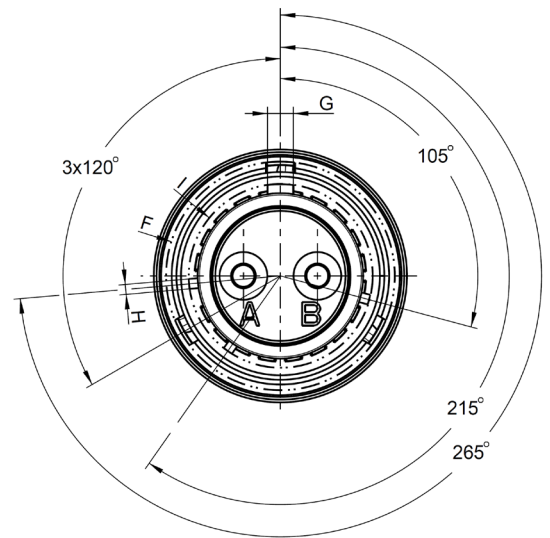
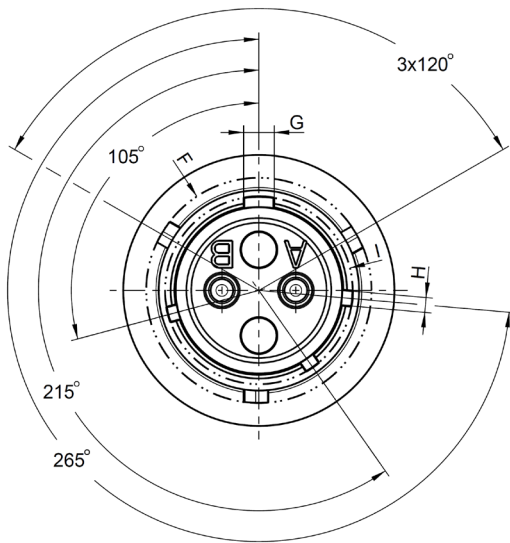
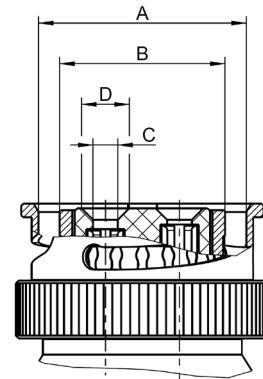
Multi-Power

7F2R-000-000_TD

FEMALE - REVERSED



MALE - REVERSED



	Female-Reversed		Male-Reversed	
	min.	max.	min.	max.
A	-		Ø 22.45	-
B	Ø 22.10	Ø 22.25	Ø 18.21	Ø 18.36
C	Ø 2.48	Ø 2.52	Ø 2.69	Ø 2.84
D	-	-	5.23x45°	5.33x45°
E	Ø 1.93	Ø 2.13	-	-
F	Ø 24.79	Ø 24.99	Ø 25.12	Ø 25.40
G	3.18	3.38	2.74	2.95
H	1.57	1.78	1.02	1.22
I	Ø 22.52	Ø 22.80	Ø 20.17	Ø 20.45

Dimensions in mm

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RFB00035

Draft	Date	Approved	Date	Rev.	Engineering Change Number	Name	Date
E. Truc-Vallet	23.09.2020	J_Fuchs	20.10.20	a00	20-s069	M_Wallner	20.10.20
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O. Box 1260 D-84526 Tittmoning Germany www.rosenberger.com						Tel. : +49 8684 18-0 Email : info@rosenberger.com	
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Rosenberger

7F2R

Multi-Power

7F2R-000-000_TD

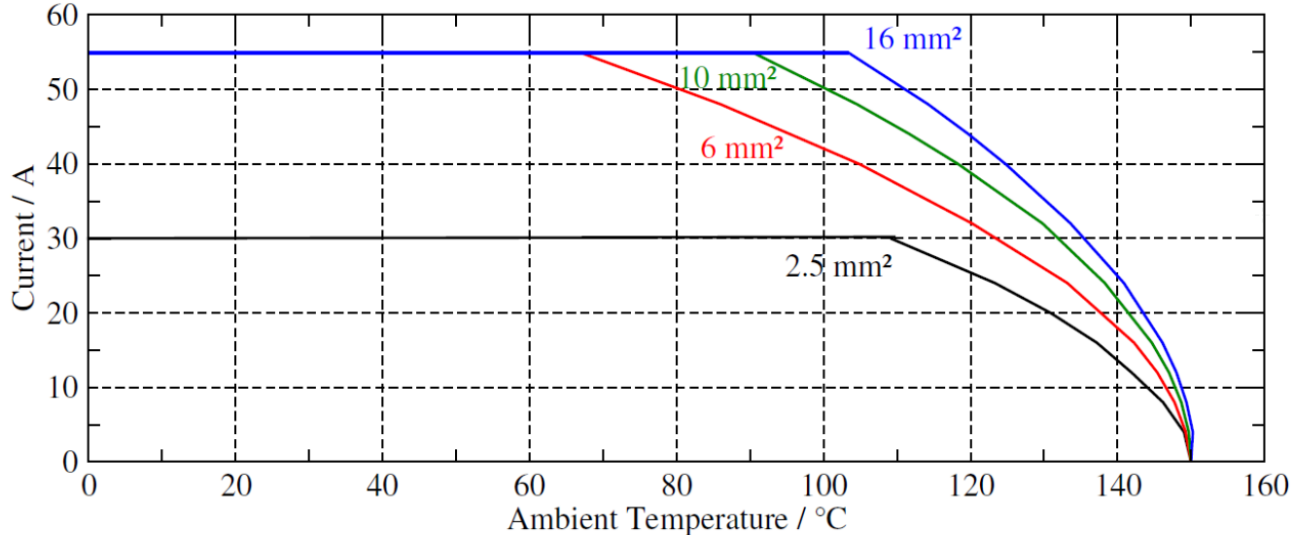
Electrical data

Contact resistance $\leq 4 \text{ m}\Omega$ @ insert
 $\leq 1 \text{ m}\Omega$ @ outer contact

Working voltage 60V DC

Test voltage 300V DC

Contact current According to chart



- Test according to IEC 60512-5-2, samples free in air, connected with 2.5, 6, 10 and 16mm² cables. Limitations possible due to different test conditions -

Mechanical data

Mating cycles ≥ 100

Mating force $\leq 150\text{N}$

Un-mating force $\leq 150\text{N}$

Coupling torque 0.3Nm to 1.0Nm

Interface retention force $\geq 200\text{N}$

Environmental data

Temperature range -40°C to +85°C operating temperature

Climatic test IEC 60068-2-38 (-40°C / +85°C, 5-90 % rel. humidity)

Vibration IEC 60068-2-6

Corrosion resistance EIA-364-65B, Class IIIA

Moisture resistance IEC 60068-2-78

Degree of protection (mated pair) IEC 60529, IP65

RoHS compliant

Material and plating

Connector parts

Power contact

Outer contact

Body

Dielectric

Gasket

Nut

Material

CuZn / CuBe

Zinc alloy

Zinc alloy / PA

PA

Silicone

PA

Plating

Ag

Sn

Sn / n. a.

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