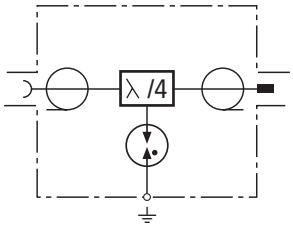
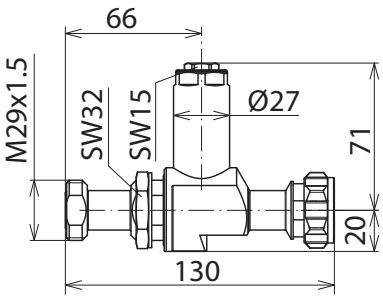
DGA LG 7 16 MFA (929 146)

- For multi-frequency applications with d.c. power supply
- Maximum transmission and PIM performance
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_A – 1 and higher





Basic circuit diagram



Dimension drawing

Quarter-wave arrester with spark gap for remote supply protects multi-frequency applications (multi-carrier systems) due to minimum passive intermodulation. Broadband device for all 4+3G and LTE services.

Type	**DGA LG 7 16 MFA**
Part No.	**929 146**
Detail	
SPD class	TYPE 1
Max. continuous operating voltage DC (U_C)	65 V
Nominal current (I_L)	13 A
Max. transmission capacity	1500 W
D1 Lightning impulse current (10/350 µs) (I_{imp})	5 kA
C2 Nominal discharge current (8/20 µs) (I_n)	20 kA
Voltage protection level for I_n C2 (U_P)	≤ 800 V
Frequency range	690 MHz-2.7 GHz
Insertion loss	≤ 0.1 dB
Return loss	≥ 28 dB
Characteristic impedance (Z)	50 ohms
Intermodulation	typ. -160 dBc @ 2*43 dBm
Operating temperature range (T_U)	-40 °C ... +85 °C
Degree of protection	IP 67
Connection	7/16 socket / 7/16 plug
Earthing via	bushing (Ø29.5 mm) or M8 earthing screw
Enclosure material	brass, refined surface with trimetal plating
Colour	bare surface
Exchangeable gas discharge tube	yes
Test standards	IEC 61643-21 / EN 61643-21

Masterdata	
Net weight	471 g/pc(s)
GTIN	4013364157156
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.