

## DGA GF TV (909 704)

Frequency range for analogue and digital TV, also suitable for reverse LAN channels

Arresters of type FF and GFF with integrated measuring output

Three types for adapted use in conformity with the lightning protection zones concept at the boundaries from  $0_A - 2$  (combined lightning current and surge arresters of type GFF),  $0_A - 1$  (lightning current arresters of type GF) and  $1 - 2$  (surge arresters of type FF)

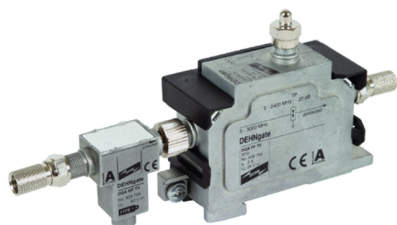
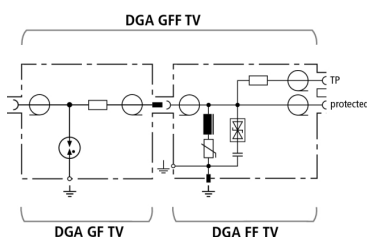
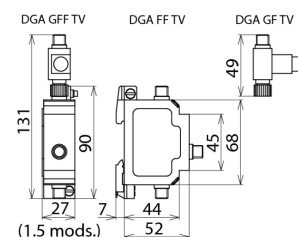


Figure without obligation



Basic circuit diagram DGA GFF TV consisting of DGA GF TV and DGA FF TV



Dimension drawing DGA GFF TV – consisting of DGA GF TV and DGA FF TV

DGA ... TV are arresters with F socket for remote supply for 75 ohm satellite and broadband cable systems. They fulfil the high shielding requirements of class A according to EN 50083-2. They allow space-saving installation into all common TV and satellite applications and are available as lightning current arresters, surge arresters as well as combined lightning current and surge arresters with integrated measuring output for testing installations.

Type Part No.	DGA GF TV 909 704
SPD class	TYPE I
Max. continuous operating d.c. voltage ( $U_C$ )	60 V
Nominal current ( $I_L$ )	2 A
D1 Lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	2.5 kA
C2 Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	10 kA
Voltage protection level for $I_{imp}$ D1 ( $U_P$ )	$\leq 700$ V
Voltage protection level for $I_n$ C2 ( $U_P$ )	$\leq 700$ V
Voltage protection level at 1 kV/ $\mu$ s C3 ( $U_P$ )	$\leq 600$ V
Frequency range	d.c. - 2400 MHz
Insertion loss	0.5 dB
Return loss	$\geq 18$ dB (-1.5 dB/octave) dB
Shield attenuation 5 - 300 MHz	$\geq 85$ dB
Shield attenuation 300 - 470 MHz	$\geq 80$ dB
Shield attenuation 470 - 1000 MHz	$\geq 75$ dB
Shield attenuation 1000 - 2400 MHz	$\geq 55$ dB
Surge impedance (Z)	75 ohms
Operating temperature range	-40°C...+80°C
Degree of protection (if lines are connected)	IP 30
For mounting on	earthing brackets
Connection (input/output)	F socket / F plug
Earthing via	earthing bracket with screw connection
Enclosure material	metal
Colour	bare surface
Test standards	IEC 61643-21 / EN 61643-21
Approvals	GOST
Accessories	earthing bracket and 2 x F plug
PU	1 pc(s)
Weight	85,500 g
Customs tariff number	85363090
GTIN	4013364105690

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.