

Surge arrester as cable adapter for coaxial systems like video systems and computer networks.

UGKF are shielded surge arresters for plugging into coaxial terminal devices or connections. Frequent applications are outdoor video surveillance systems or computer networks. In order to avoid leakage pickups, the

- Plug-in surge protective adapter for easy retrofitting
- The integrated indirect shield earthing avoids leakage pickups

cable shield is earthed indirectly via a gas discharge tube. The arrester entries are used as sockets and protected outputs as plugs.



Application of UGKF B L

Protection of coaxial computer networks can be performed easily. The SPDs are directly adapted upstream of the network card and the earth conductor is connected to the earth electrode of the enclosure.

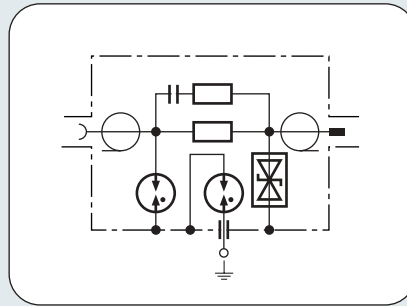


UGKF Coax Family

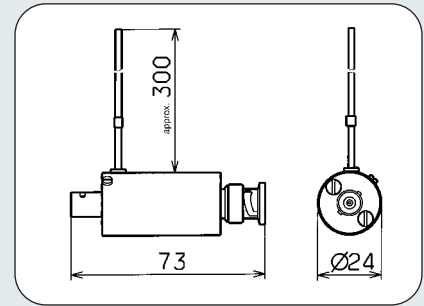
Coaxial UGKF surge arresters can be provided with different kinds of plugs. Units for protection of video systems with a higher supply voltage or with a bilateral socket connection are also available on request.



- Easily adaptable
- Avoids leakage pickups
- For use according to the lightning protection zones concept at boundaries $O_B - 2$ and higher



Low-capacitance, 2-stage protective circuit with indirect shield earthing for avoiding leakage pickups.



Dimension drawing UGKF BNC

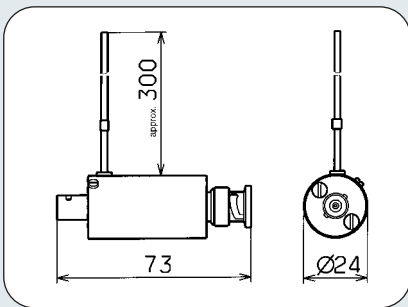
UGKF BNC is suitable for video cameras and Arcnet with BNC connection. Special units for video cameras with higher nominal voltage can be provided on request.

UGKF BNC

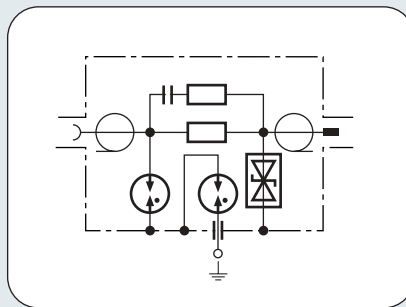
Nominal voltage U_N	5 V
Max. continuous dc voltage U_C	8 V
C2 Nominal discharge current (8/20) per line I_n	2.5 kA
C2 Nominal discharge current (8/20) shield-PG I_n	10 kA
Voltage protection level line-shield at I_n C2 U_p	≤ 25 V
Voltage protection level line-shield at 1 kV/ μ s C3 U_p	≤ 13 V
Voltage protection level shield-PG at 1 kV/ μ s C3 U_p	≤ 600 V
Series impedance per line	10 Ohm
Bandwidth f_G	300 MHz
Return loss ≥ 20 dB to	40 MHz
Response time line-shield t_a	≤ 1 ns
Response time shield-PG t_a	≤ 100 ns
Connection input/output	BNC socket / BNC plug
Earthing via	outgoing earth conductor 0.75 mm ²
Shield earthing	indirectly via an integrated spark gap
Test standards	VDE 0845-1, IEC 61643-21

Ordering information

Type	UGKF BNC
Part No.	929 010
Packing unit	1 pc(s)



Dimension drawing UGKF B L



Low-capacitance, 2-stage protective circuit with indirect shield earthing for avoiding leakage pickups.



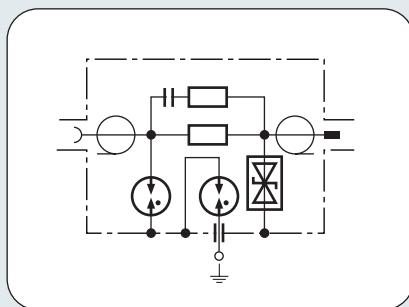
- Easily adaptable
- Avoids leakage pickups
- For use according to the lightning protection zones concept at boundaries $U_B - 2$ and higher

UGKF B L is suitable for Ethernet 10 Base 2 with BNC connection. The SPD can be used in segments in any quantity. It can also be connected with EAD sockets or tees.

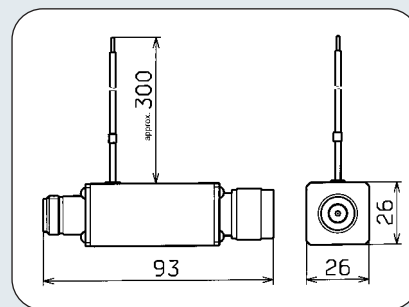
UGKF B L	
Nominal voltage U_N	-8 / +1 V
Max. continuous dc voltage U_C	-10 / +1.4 V
C2 Nominal discharge current (8/20) per line I_n	2.5 kA
C2 Nominal discharge current (8/20) shield-PG I_n	10 kA
Voltage protection level line-shield at I_n C2 U_p	35 V
Voltage protection level line-shield at 1 kV/ μ s C3 U_p	15 V
Voltage protection level shield-PG at 1 kV/ μ s C3 U_p	600 V
Series impedance per line	1 Ohm
Bandwidth f_G	300 MHz
Return loss ≥ 20 dB to	100 MHz
Response time line-shield t_a	≤ 1 ns
Response time shield-PG t_a	≤ 100 ns
Connection input/output	BNC socket / BNC plug
Earthing via	outgoing earth conductor 0.75 mm ²
Shield earthing	indirectly via an integrated spark gap
Test standards	VDE 0845-2, IEC 61643-21
Ordering information	
Type	UGKF B L
Part No.	929 017
Packing unit	1 pc(s)



- Easily adaptable
- Avoids leakage pickups
- For use according to the lightning protection zones concept at boundaries $O_B - 2$ and higher



Low-capacitance, 2-stage protective circuit with indirect shield earthing for avoiding leakage pickups



Dimension drawing UGKF N L

UGKF N L is suitable for Ethernet 10 Base 5 with N connection. Max. 2 SPDs may be installed in one segment. An insulating sleeve is included in delivery for isolating the enclosure from earth potential.

UGKF N L	
Nominal voltage U_N	-8 / +1 V
Max. continuous dc voltage U_C	-10 / +1.4 V
C2 Nominal discharge current (8/20) per line I_n	2.5 kA
C2 Nominal discharge current (8/20) shield-PG I_n	10 kA
Voltage protection level line-shield at I_n C2 U_p	≤ 20 V
Voltage protection level line-shield at 1 kV/ μ s C3 U_p	≤ 15 V
Voltage protection level shield-PG at 1 kV/ μ s C3 U_p	≤ 600 V
Series impedance per line	10 Ohm
Bandwidth f_G	90 MHz
Return loss ≥ 20 dB to	20 MHz
Response time line-shield t_a	≤ 1 ns
Response time shield-PG t_a	≤ 100 ns
Connection input/output	N socket / N plug
Earthing via	outgoing earth conductor 0.75 mm ²
Shield earthing	indirectly via integrated spark gap
Test standards	VDE 0845-1, IEC 61643-21
Accessories	insulating sleeve
Ordering information	
Type	UGKF N L
Part No.	929 012
Packing unit	1 pc(s)