



## KO - 9P

- Designed for protection of equipment connected to an aerial system by means of coaxial cables.
- The products consist of gas discharge tube with high discharge ability, thanks to which ensure a reliable protection of the receiving and transmitting systems even against a lightning stroke nearby.
- Wide range of products, various connector types and transmission power grades.
- Recommended for use in the Lightning Protection Zones at the boundaries of LPZ 0 – LPZ 1 and higher.

Type		KO - 9P
Testing category according to IEC 61643-21:2000 and EN 61643-21:2001		C1, C2, C3, D1
Connector type		F
Maximum continuous operating voltage DC	$U_C$	90 V
Rated load current	$I_L$	0.5 A
C2 Nominal discharge current (8/20)	$I_n$	5 kA
C3 Voltage protection level at 1 kV/ $\mu$ s	$U_p$	< 600 V
D1 Impulse discharge current (10/350)	$I_{imp}$	2 kA
Maximum discharge current (8/20)	$I_{max}$	10 kA
Frequency bandwidth	B	0 ÷ 2.15 GHz
Max. transmission power capacity		50 W
Insertion loss		< 0.5 dB
Return loss		> 20 dB
Characteristic impedance		75 $\Omega$
Degree of protection		IP20
Operating temperature	$\theta$	-30 ÷ 70 °C
<b>Designed according to standards</b>		
Requirements and test methods for SPDs connected to telecommunications and signalling networks		IEC 61643-21:2000
<b>Application standards</b>		
Protection against lightning		IEC 62305:2010
<b>Ordering, packaging and additional data</b>		
Mass	m	25 g
Mass (including the packaging)	m	36 g
Packaging dimensions (H x W x D)		26 x 98 x 73 mm
Packaging value	V	0.19 dm <sup>3</sup>
Customs tariff no.		85363010
EAN code		8590681550168
<b>Art. number</b>		<b>55 016</b>



The link in the QR code leads to the online presentation of the **KO - 9P**. There, in addition to the always up-to-date data sheet, you will also find all diagrams and drawings, declarations of conformity, or 2D or 3D models and other necessary materials. For more information, visit [www.hakel.com](http://www.hakel.com)

