



### HSG Hybrid Spark Gap Arresters

Novaris HSG Hybrid Spark Gap Arresters combine the best qualities of voltage switching and voltage limiting components. Novaris HSG hybrid spark gaps suit all high exposure installations. There is no follow on current. The HSG is ideal for applications where mains voltages fluctuations are significant.

HSG 1 - 25 - 275 - N

Product Series  
Phase

Options  
 $U_c$

$I_{imp}$

HSG1-25-275

HSG3-25-275



Electrical Specifications		
Connection type		Shunt
Modes of protection		L-N
Phases		1   3
Nominal voltage	$U_0$	230V / 50Hz
Maximum continuous voltage	$U_c$	275V / 50Hz
Interrupting follow current @ $U_c$	$I_n$	-
Lightning impulse voltage sparkover (1.2/50 $\mu$ s)	$U_p$	<1.3kV
Maximum impulse current (10/350 $\mu$ s)	$I_{imp}$	25kA
Charge	Q	12.5As
Specific energy	W/R	625kJ/ $\Omega$
Response time	$t_A$	<100ns
Display		LED status
Alarms		Clean SPDT contact
Alarm isolation to active circuitry		4kV
Backup fuse (HRC)		63A

Mechanical Specifications		
Operating temperature / humidity	-40 to +80°C / 0 to 90%	
Terminal capacity - power	16mm <sup>2</sup>	
Terminal capacity - alarms	2.5mm <sup>2</sup>	
Terminal screw torque - power	1.0Nm	
Terminal screw torque - alarms	0.5Nm	
Environmental	IP 20	
Mounting	Panel mount / TS35 DIN	
Enclosure / colour	Metal / Blue	
Weight	1.2kg	5.0kg

Dimensions		
Width	60mm	240mm
Height	200mm	260mm
Depth	70mm	78mm

Options		
Neutral-earth protection	N	
Metal enclosure	M	
Over / under voltage relay	O	

Standards Compliance
IEC 61643-1 class I
AS/NZS 1768 category C
IEEE C62.41 category C
BS 6651 category C
CP 33 category C
IEC 1000-4-5
UL1449 third edition