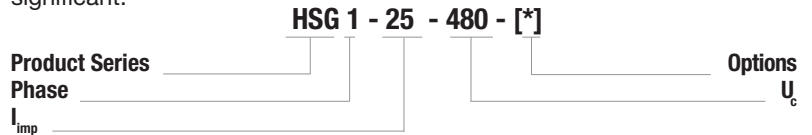




### HSG Hybrid Spark Gap Arresters

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.



HSG1-25-480

HSG3-25-480

Electrical Specifications		
Connection type		Shunt
Modes of protection		L-N
Phases		1                      3
Nominal voltage	$U_0$	230V / 50Hz
Maximum continuous voltage	$U_c$	480V / 50Hz
Interrupting follow current @ $U_c$	$I_{fi}$	-
Lightning impulse voltage sparkover (1.2/50µs)	$U_p$	<1.1kV
Maximum impulse current (10/350µs)	$I_{imp}$	25kA
Maximum discharge current (8/20µs)	$I_{max}$	250kA
Charge	Q	12.5As
Specific energy	W/R	625kJ/Ω
Response time	$t_A$	<100ns
Display		LED status
Alarms		Clean SPDT contact
Alarm isolation to active circuitry		4kV
Maximum backup fuse (gG)		125A

Mechanical Specifications	
Operating temperature / humidity	-40 to +70°C / 5 to 95%
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 / Black
Weight	1.2kg                      5.0kg

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

**Standards Compliance**

IEC 61643-11 class I
AS/NZS 1768 category C
IEEE C62.41 category C
IEC 1000-4-5
UL1449 fourth edition

Options [*]	
Neutral-earth protection	N
Metal enclosure	M
Surge Counter	C
Over / under voltage relay	O