



DGS275 DEHN Power Supply Systems

Description:

Single pole surge arrester class II 275VAC.

I_{max} 40kA 8/20 μ sec I_n = 20kA 8/20 μ sec waveshape.

Features:

- Multi-purpose surge arrester consisting of a base element and plug-in protection module.
- Easy replacement of protection modules by means of module release button.
- No backup protection required when main switch $\leq 100A$.
- "Thermo Dynamic Control" SPD monitoring device. - Prevents thermal runaway.
- Energy coordination within the DEHN Redline product family.
- Operating state/fault indication by indicator flag in window.



Ordering information

Part No.	DGS275
Type	952070

Specification

SPD according to EN61643-11	Type 2
SPD according to IEC61643-1	Class II
Max. continuous operating a.c. voltage U_c	275V
Max. continuous operating d.c. voltage U_c	350V
Nominal discharge current (8/20μs) I_n	20kA
Max. discharge current (8/20μs) I_{max}	40kA
Voltage protection level U_p	$\leq 1.25kV$
Voltage protection level at 5kA U_p	$\leq 1kV$
Response time t_A	$\leq 25ns$
Max. mains-side overcurrent protection	125A gL/gG
Short-circuit withstand capability for max. mains-side overcurrent protection	50kA _{rms}
Operating state/fault indication	green/red
Cross-sectional area (min.)	1.5mm ² solid/flexible
Cross-sectional area (max.)	35mm ² stranded/25mm ² flexible
For mounting on	35mm DIN rail acc. to EN60715
Enclosure material	thermoplastic, red, UL94 V-0

