

HSA-275 S

- Surge arresters type T2+T3 ensure the equipotential bonding and reduce switching, induced and residual overvoltage in LV power supply systems.
- The products consist of varistors with big discharge ability.
- Configurations 1+1 and 3+1 are additionally combined with a gas discharge tube which ensures zero leakage current through the PE conductor.
- Installed at the boundaries of LPZ 1 LPZ 3 into subsidiary switchboards and control panels.
- If the product contains two PE (or PEN) terminals, it must not be used as a PE (PEN) bridge.
- **M** indication specifies a type of construction with removable module.
- **S** indication specifies a version with remote monitoring.

U _N U _C I _{max} I _n U _{OC} U _P	T2, T3 TN 1 230 V 275 V 50 kA 20 kA
U _C I_{max} I_{n} U_{OC}	1 230 V 275 V 50 kA 20 kA 6 kV
U _C I_{max} I_{n} U_{OC}	230 V 275 V 50 kA 20 kA 6 kV
U _C I_{max} I_{n} U_{OC}	275 V 50 kA 20 kA 6 kV
I _{max} I _n U _{OC}	50 kA 20 kA 6 kV
I _n U _{OC}	20 kA 6 kV
U _{oc}	6 kV
	• • • •
U_p	1.014/
	< 1.2 kV
U_p	< 0.8 kV
U _T	337 V
U_T	440 V
t _A	< 25 ns
	160 A gL/gG
I _{PE}	≤ 450 μA
I _{SCCR}	60 kA _{rms}
	LPZ 1-2, LPZ 2-3
	Polyamid PA6, UL94 V-0
	IP20
θ	-40 ÷ 70 °C
RH	5 ÷ 95 %
S	2.5 mm² (L, N) 6 mm² (PE, PEN)
	$1.5 \div 25 \text{ mm}^2$
	$1.5 \div 16 \text{ mm}^2$
	3 Nm
	On DIN rail 35 mm
	1 TE
	Any
	U _p U _T U _T t _A I _{PE} I _{SCCR}



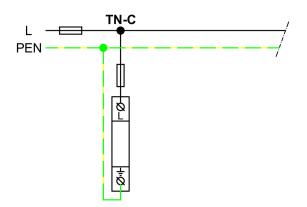
Туре		HSA-275 S
Product placement environment		Internal
Signalling at the device		Optic
Importance of local signaling		OK – clear target FAULT – red target
Remote signalling		Yes
Potential free signal contact (S) (recommended cross-section of remote monitoring max. 1 $\mathrm{mm^2}$)		AC: 250 V / 1.5 A, DC: 250 V / 0.1 A
Modular design		No
Lifetime		> 100 000 h
Designed according to standards		
Requirements and test methods for SPDs connected to low-voltage power systems		IEC 61643-11:2011
Safety of Flammability of Plastic Materials		UL 94
Application standards		
Protection against lightning		IEC 62305:2010
Selection and erection of electrical equipment - Switchgear and controlgear		HD 60364-5-53:2022
Selection and application principles for SPDs connected to low-voltage power systems		CLC/TS 61643-12:2009
Ordering, packaging and additional data		
Mass	m	99 g
Mass (including the packaging)	m	110 g
Packaging dimensions (H x W x D)		26 x 98 x 73 mm
Packaging value	V	0.19 dm ³
ETIM group		EG000021
ETIM class		EC000941
Customs tariff no.		85363010
EAN code		8590681115008
Art. number		24 520



The link in the QR code leads to the online presentation of the **HSA-275 S**. 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**



Application wiring diagram (installation)



Internal diagram

