

HSA-600/4+0 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.

T2, T3 TN-S 4 U _N 500 V U _C 600 V max 40 kA I _n 15 kA J _{OC} 6 kV Total 160 kA U _p < 2.1 kV U _T 726 V U _T 953 V t _A < 25 ns
4 U _N 500 V U _C 600 V max 40 kA I _n 15 kA J _{OC} 6 kV Total 160 kA U _p < 2.1 kV U _T 726 V U _T 953 V
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max 40 kA I _n 15 kA J _{OC} 6 kV Total 160 kA U _p < 2.1 kV U _T 726 V U _T 953 V
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T_{Total} 160 kA U_p < 2.1 kV U_p < 1.7 kV U_T 726 V U_T 953 V
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$U_{\rm p}$ < 1.7 kV $U_{\rm T}$ 726 V $U_{\rm T}$ 953 V
U _T 726 V U _T 953 V
U _τ 953 V
t _A < 25 ns
160 A gL/gG
I _{PE} ≤ 600 μA
SCCR 60 kA _{rms}
LPZ 1-2, LPZ 2-3
Polyamid PA6, UL94 V-0
IP20
9 -40 ÷ 70 °C
RH 5 ÷ 95 %
S 2.5 mm ² (L, N) 6 mm ² (PE, PEN)
1.5 ÷ 25 mm ²
1.5 ÷ 16 mm ²
3 Nm
On DIN rail 35 mm
4 TE



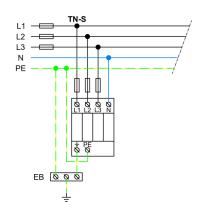
Туре		HSA-600/4+0 S
Operating position		Any
Product placement environment		Internal
Signalling at the device		Optic
Importance of local signaling		OK – clear target FAULT – red target
Remote signalling		Yes
Potential free signal contact (S) (recommended cross-section of remote monitoring max. 1 $\mbox{mm}^2)$		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	460 g
Mass (including the packaging)	m	488 g
Packaging dimensions (H x W x D)		74 x 112 x 73 mm
Packaging value	V	0.61 dm ³
ETIM group		EG000021
ETIM class		EC000941
Customs tariff no.		85363010
EAN code		8590681115718
Art. number		24 592



The link in the QR code leads to the online presentation of the **HSA-600/4+0 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

