

HSA-320/4+0

- 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.

HSA-320/4+0
T2, T3
TN-S
4
230 V
320 V
50 kA
20 kA
6 kV
200 kA
< 1.35 kV
< 0.95 kV
337 V
440 V
< 25 ns
160 A gL/gG
≤ 400 µA
60 kA _{rms}
LPZ 1-2, LPZ 2-3
Polyamid PA6, UL94 V-0
IP20
-40 ÷ 70 °C
5 ÷ 95 %
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



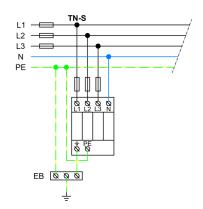
Туре		HSA-320/4+0
Operating position		Any
Product placement environment		Internal
Signalling at the device		Optic
Importance of local signaling		OK – clear target FAULT – red target
Remote signalling		No
Modular design		No
Lifetime		> 100 000 h
Designed according to standards		
Requirements and test 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	416 g
Mass (including the packaging)	m	444 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		8590681115299
Art. number		24 550



The link in the QR code leads to the online presentation of the **HSA-320/4+0**. 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

