



## HSA-440 Module

- Removable modules for surge arresters type T2+T3.
- Ensure the equipotential bonding and reduce switching, induced and residual overvoltage in single-phase and three-phase LV power supply systems.
- Installed at the boundaries of LPZ 1 – LPZ 3 into subsidiary switchboards and control panels.
- The products consist of varistors with big discharge ability.

Type		HSA-440 Module
Test class according to EN 61643-11:2012 (IEC 61643-11:2011)		T2, T3
Maximum continuous operating voltage AC	$U_C$	440 V
Maximum discharge current (8/20)	$I_{max}$	40 kA
Nominal discharge current for class II test (8/20)	$I_n$	15 kA
Open circuit voltage of the combination wave generator	$U_{OC}$	6 kV
Voltage protection level at $I_n$	$U_p$	< 1.8 kV
Spare module for		27 188, 27 189, 27 540, 27 545, 27 541, 27 546, 27 542, 27 547, 27 543, 27 548, 27 544, 27 549

### 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	52 g
Mass (including the packaging)	m	63 g
Packaging dimensions (H x W x D)		26 x 98 x 73 mm
Packaging value	V	0.19 dm <sup>3</sup>
Customs tariff no.		85363010
EAN code		8590681116234
<b>Art. number</b>		<b>27 194</b>



The link in the QR code leads to the online presentation of the HSA-440 Module. 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](http://www.hakel.com)



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Internal diagram

