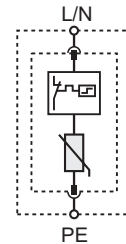




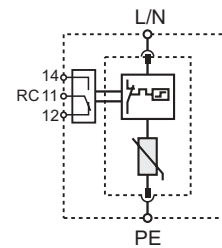
- **Category IEC / EN / VDE:** Class III / Type 3 / D
- **Purpose:** the RPD-10 series of low cost, overvoltage surge protective devices has been developed to protect against transient surges and is intended to provide protection in zones 2-3 as per PN-EN (IEC) 62305. It consists of a high performance varistor block with thermal disconnection device. The plug-in module / base design facilitates replacement of a failed module without the need to remove system wiring etc.
- **Application site:** branch sub-distribution boards (SB); socket outlet - the point directly in front of the device to be protected (SA)
- **Mounting:** direct mounting on 35 mm DIN rail mount, EN 50022
- **Status indication:** mechanical flag + remote contact RC
- **Remote signalisation:** RPD-10/280/1 - without RC damage contact  
RPD-10/280/1R - with potential-free signaling RC damage contact
- **Housing:** module design with changeable varistor insert
- **Compliance with standard:** PN-IEC 61643-1
- **Recognitions, certifications:**



RPD-10/280/1



RPD-10/280/1R



Type of arrester	RPD-10/280/1, RPD-10/280/1R	
<b>Technical data</b>		
Max. continuous operating voltage	$U_c$	275 / 350 V AC/DC
Combination wave (1,2/50-8/20)	$U_{oc}/I_{sc}$	10 kV / 5 kA
Max. discharge current (8/20)	$I_{max}$	10 kA
Current peak value (10/350)	$I_{imp}$	
Specific energy		
Charge Q		
Protection level	$U_p$	
• at $U_{oc}/I_{sc}$ (1,2/50-8/20)		0,9 kV
Follow current	$I_f$	no
Response time	$t_A$	< 25 ns
Residual current at $U_c$	$I_{PE}$	< 1,5 mA
Thermal protection		yes
Back-up fuse		max. 125 A gL (if mains > 125 A)
Short-circuit withstand		10 kA 50 Hz
Temperature range		-40...+80 °C
Cross-section of connection wire		solid: 35 mm <sup>2</sup> stranded: 25 mm <sup>2</sup>
Terminal screw torque		max. 4,5 Nm
Housing protection category		IP 20
Housing material		thermoplastic, extinguishing degree UL 94 V-0
Dimensions		90 x 18 x 72 mm (DIN 43880: 1TE)
Packaging dimensions		108 x 24 x 74 mm
Weight		100 g
<b>Additional data for RPD-...R</b>		
Remote signalisation		potential-free contact RC
Switching capability		0,5 A / 250 V AC 3 A / 125 V AC
Cross-section of connection wire		max. 1,5 mm <sup>2</sup>
Terminal screw torque		0,25 Nm
Weight		110 g

**Selection of backup fuse**

