

RPC-40/280/1.

30

single-pole, surge arrester, $I_{max} = 40 \text{ kA}$ (8/20 μs)

- **Category IEC / EN / VDE:** **Class II / Type 2 / C**
- **Purpose:** the **RPC-40** series of low cost, overvoltage surge protective devices has been developed to protect against indirect lightning discharges and is intended to provide protection in zones **1-2** 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:** the arresters are mounted in the main-distribution boards (MB) or the sub-distribution board (SB)
- **Mounting:** direct mounting on 35 mm DIN rail mount, EN 50022
- **Status indication:** mechanical flag + remote contact RC
- **Remote signalisation:** **RPC-40/280/1** - without RC damage contact
RPC-40/280/1R - with potential-free signaling RC damage contact
- **Housing:** module design with changeable varistor insert
- **Compliance with standard:** PN-IEC 61643-1
- **Recognitions, certifications:** 

Type of arrester **RPC-40/280/1, RPC-40/280/1R**

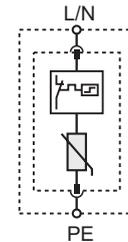
Technical data

Max. continuous operating voltage	U_c	275 / 350 V AC/DC
Nominal discharge current (8/20)	I_n	20 kA
Max. discharge current (8/20)	I_{max}	40 kA
Current peak value (10/350)	I_{imp}	
Specific energy		
Charge Q		
Protection level	U_p	
• at I_n (8/20)		1,25 kV
• at I_{imp} (10/350)		
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		25 kA 50 Hz
Temperature range		-40...+80 °C
Cross-section of connection wire		solid: 35 mm ² stranded: 25 mm ²
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		125 g
Additional data for RPC-...R		
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 ²
Terminal screw torque		0,25 Nm
Weight		135 g

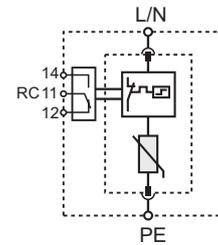
 NEW product



RPC-40/280/1



RPC-40/280/1R



Selection of backup fuse

