

SAFETEC C(R) 40

Class II Single-pole Surge Protective Device

$I_{max} = 40kA (8/20)$

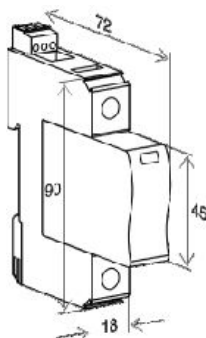


- ◆ Category IEC / EN / VDE: Class II / Type 2 / C
- ◆ Location of use: Branch sub-distribution boards
- ◆ Connections: TN-S, TN-C, IT
- ◆ Protection modes: L/N - PE
- ◆ Protective element: MOV
- ◆ High surge discharge rating: $I_{max} = 40kA$
- ◆ Safety: Immunity against TOV
- ◆ Housing: Modular design
- ◆ Complies with: IEC-61643-1

Technical data

Type	SAFETEC C(R) 40/xxx		
	150	275	440
Electrical characteristics			
Max. continuous operating voltage (AC/DC) U_c	150/200V	275/350V	440/580V
Nominal discharge current (8/20) I_n	20kA	20kA	20kA
Max. discharge current (8/20) I_{max}	40kA	40kA	40kA
Protection level U_p	< 1.0kV	< 1.6kV	< 2.2kV
Follow current I_f		NO	
Response time t_A		< 25ns	
Thermal protection		YES	
TOV withstand for 5 sec.		$1.32 \times U_{REF} (335V)$	
		$\sqrt{3} \times U_{REF} (400V)$	
Short-circuit withstand current		25kA/50Hz	
Mechanical characteristics			
Terminal screw torque		max. 3.5Nm	
Temperature range		- 40°C + 80°C	
Terminal cross section		35mm ² (solid) / 25mm ² (stranded)	
Mounting EN 60715		35mm top-hat rail	
Degree of protection		IP 20	
Housing material		thermoplastic; extinguishing degree UL 94 V-0	
Dimensions DIN 43880		1TE	
Weight per unit			
Ordering code SAFETEC C 40/xxx	516 001	516 003	516 005
Remote contacts		YES	
Contact ratings		AC: 250V/0.5A; 125V/3A	
Terminal cross section		max. 1.5mm ²	
Remote terminal torque		0.25Nm	
Weight per unit			
Ordering code SAFETEC C(R) 40/xxx (with remote contacts)	516 002	516 004	516 006
Packaging dimensions (single unit)		108 x 74 x 24mm	
Ordering code Module SAFETEC C(R) 40/xxx	516 037	516 038	516 039
Packaging dimensions (12 pcs.)		219 x 62 x 47mm	

Dimensions



Connection diagram

