

# SAFETEC C(R) 80 (2+0)

**Class II Multi-pole Surge Protective Device**  
 $I_{max} = 40kA$  per pole (8/20)

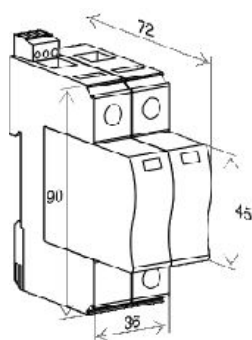


- ◆ Category IEC / EN / VDE: Class II / Type 2 / C
- ◆ Location of use: Branch sub-distribution boards
- ◆ Connections: TN-S
- ◆ Protection modes: L/N - PE, L - PEN
- ◆ Protective element: MOV
- ◆ High surge discharge rating:  $I_{max} = 40kA$  per pole
- ◆ Safety: Immunity against TOV
- ◆ Housing: Modular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

## Technical data

Type	SAFETEC C(R) 80/xxx (2+0)		
	150	275	440
<b>Electrical characteristics</b>			
Max. continuous operating voltage (AC/DC) $U_c$	150/200V	275/350V	440/580V
Nominal discharge current (8/20) $I_n$	20kA per pole	20kA per pole	20kA per pole
Max. discharge current (8/20) $I_{max}$	40kA per pole	40kA per pole	40kA per pole
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.		$1.32 \times U_{REF} (335V)$	
Short-circuit withstand current		$\sqrt{3} \times U_{REF} (400V)$	
		25kA/50Hz	
<b>Mechanical characteristics</b>			
Terminal screw torque		max. 3.5Nm	
Temperature range		- 40°C .... + 80°C	
Terminal cross section		35mm <sup>2</sup> (solid) / 25mm <sup>2</sup> (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		2TE	
Weight per unit			
Ordering code SAFETEC C 80/xxx (2+0)	516 007	516 009	516 011
Remote contacts		YES	
Contact ratings		AC: 250V/0.5A; 125V/3A	
Terminal cross section		max. 1.5mm <sup>2</sup>	
Remote terminal torque		0.25Nm	
Weight per unit			
Ordering code SAFETEC C(R) 80/xxx (2+0) (with remote contacts)	516 008	516 010	516 012
Packaging dimensions (single unit)		109 x 76.5 x 41.5mm	
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

