



SAFETEC C(R) UL



- Classification UL 1449 3rd Ed.: Type 2
- Location of use: Sub-distribution boards
- Protection modes: L - G (PE), L - N, N - G (PE) or L - L
- Protective element: MOV and GDT
- Surge discharge rating: I_{max} up to 50kA
- Safety: TOV withstand for unlimited time
- Housing: Modular design
- Complies with: UL 1449 3rd Ed.



Technical data

Type		150	277	385	SAFETEC C(R)			550	750	880
					440					
Electrical characteristics										
Max. continuous operating voltage (AC)	MCOV	150V	300V	385V	440V	550V	750V	880V		
Nominal discharge current (8/20) per mode of protection	I_n	20kA	20kA	20kA	20kA	20kA	10kA	10kA		
Max. discharge current (8/20) per mode of protection	I_{max}	50kA	50kA	50kA	50kA	50kA	20kA	20kA		
Voltage protection rating per UL 1449 3rd ed.	VPR	1.2kV	1.6kV	1.8kV	2.0kV	2.5kV	2.5kV	3.0kV		
Short-circuit withstand rating	SCCR	200kA								
Follow current	I_{fi}	NO								
Response time	t_A	< 25ns								
Thermal protection		YES								
Mechanical characteristics										
Terminal screw torque		max. 3.0Nm								
Temperature range		- 40°C + 80°C								
Terminal cross section		35mm ² (solid) / 25mm ² (stranded)								
Mounting		35mm DIN rail, EN 60715								
Degree of protection		IP 20								
Housing material		thermoplastic; extinguishing degree UL 94 V-0								
Indication of disconnecter operation		red flag								
Remote contacts (RC)		YES								
Contact ratings		AC: 250V/0.5A; 125V/3A								
Terminal cross section		max. 1.5mm ²								
Remote terminal torque		0.25Nm								

Ordering information

MCOV	150	277	385	440	550	750	880
Ordering code SAFETEC C 50/xxx	516.058	516.060	516.062	516.064	516.066		
Ordering code SAFETEC CR 50/xxx (with remote contacts)	516.059	516.061	516.063	516.065	516.067		
Ordering code SAFETEC C 20/xxx						516.068	516.586
Ordering code SAFETEC CR 20/xxx (with remote contacts)						516.069	516.587
Ordering code Module SAFETEC C(R) 50/xxx	516.201	516.202	516.203	516.204	516.205		
Ordering code Module SAFETEC C(R) 20/xxx						516.206	516.585