

PROTEC C(R) 40



- **Category IEC / EN:** Class II / Type 2
- **Location of use:** Sub- distribution boards
- **Protection modes:** L/N- PE, L-PEN
- **Protective element:** MOV
- **Surge discharge rating:** I_{max} = 40kA
- **Housing:** Modular design
- **Complies with:** IEC 61643-11:2011, EN 61643-11:2012;



Technical data

Type

PROTEC C(R) 40/75

● Electrical characteristics

Nominal AC voltage	U _o	60V 50/60Hz
Max. continuous operating voltage (AC/DC)	U _c	75/100V
Nominal discharge current (8/20)	I _n	20kA
Max. discharge current (8/20)	I _{max}	40kA
Protection level	U _p	< 0.7kV
Residual voltage at 5kA (8/20)	U _{res}	< 0.4kV
Follow current	I _{fi}	NO
Response time	t _A	< 25ns
Thermal protection		YES
Back-up fuse (if mains > 125A)		125A gG/gL
Short-circuit current rating	I _{scCR}	25kA/50Hz
TOV withstand 5s	U _T	90V
TOV disconnection 120min	U _T	115V
Number of ports		1

● Mechanical characteristics

Temperature range	T _a	- 40°C + 70°C
Permissible humidity	RH	5%...95%
Terminal screw torque	M _{max}	3.0Nm
Conductor cross section		35mm ² (solid) / 25mm ² (stranded)
AWG conductor cross section		2 AWG (solid) / 3 AWG (stranded)
Mounting		35mm DIN rail, EN 60715
Degree of protection		IP 20
Housing material		thermoplastic; extinguishing degree UL 94 V-0
Indication of thermal disconnector 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

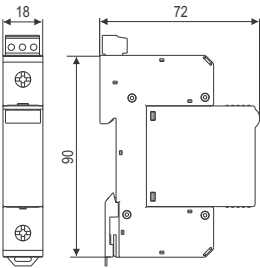
Ordering information

U _c	75
Ordering code PROTEC C 40/75	50.A063
Ordering code PROTEC CR 40/75 (with remote contacts)	50.0609
Ordering code Module PROTEC C(R) 40/75	50.0610

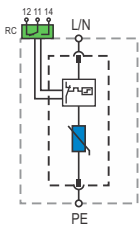
Dimensions, Internal configurations, Weight and Packaging

PROTEC C(R) 40/75

Dimensions



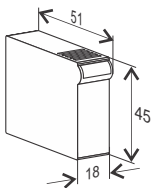
Internal configuration



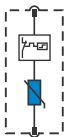
PROTEC C 40	75
Dimensions DIN 43880	1TE
Weight per unit	112g
PROTEC CR 40	75
Dimensions DIN 43880	1TE
Weight per unit	117g
Packaging dimensions (single unit)	110 x 76.5 x 23.5mm
Min. packaging quantity	12 pcs.

Module PROTEC C(R) 40/75

Dimensions



Internal configuration



Module PROTEC C(R) 40	75
Weight per unit	44g
Packaging dimensions	221 x 76.5 x 48.5mm
Min. packaging quantity	12 pcs.