

SPECIFICATION · RCBO

R1-DE/FE 6kA ELECTRO-MAGNETIC RCBO



R1-DE/FE

DIN RAIL

FUNCTION & FEATURE

- Made from the highest grade components
- Combined with RCCB/MCB in a compact design for personnel, fire and line protection
- This range of electromagnetic residual current devices with over current protection designed to comply with international standard
- Reliability in applications where the protection against earth leakage with overload & short circuit required for both active & neutral conductors
- 6kA rated breaking capacity makes the perfect choice to perform in an industrial or commercial application

01 TECHNICAL DATA

Rated Current (In)	A	6, 10, 16, 20, 25, 32, 40
Rated Voltage (Ue)	V	230/240,400/415
Number of Poles	—	1P+N,3P+N
Rated Breaking Capacity	Ultimate (Icn)	kA 6
	Service (Ics)	kA 6
Rated Residual Current (IΔn)	mA	30
Residual Tripping Characteristics	—	A
Rated Residual Making and Breaking Capacity (IΔm)	A	4500
Rated Frequency	Hz	50/60
IP Degree	—	IP20
Tripping Characteristics	—	B, C, D
Energy Limiting Class	—	3
Electrical Endurance	Cycles	4000
Mechanical Endurance	Cycles	10000
Cable Termination	mm ²	25
Torque Screw	N.m	2.5
Terminal	—	Pillar Type

STANDARDS

IEC/EN 61009-1 AS/NZS 61009.1

6000 I _{cn} · A	3 CLASS
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APPLICATIONS



Residential



Commercial



Industrial

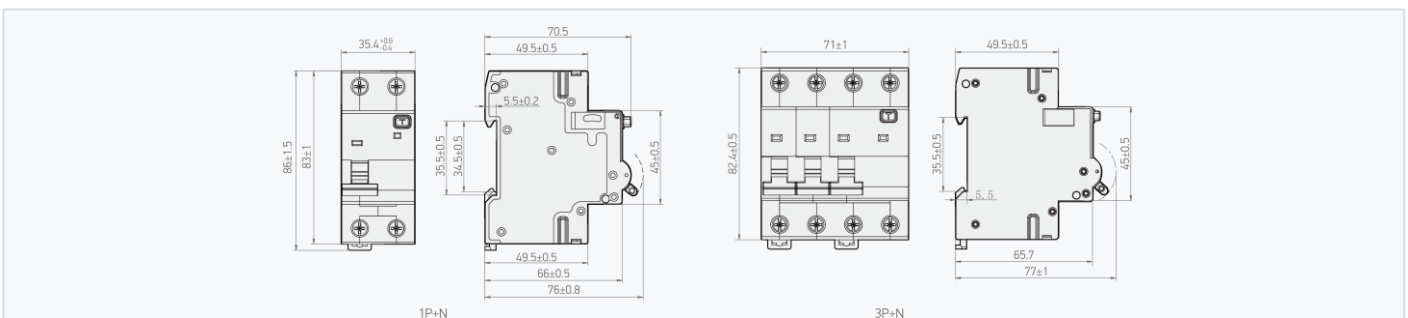
APPROVAL & MARKING



RoHS

02 DIMENSIONS

MM



ORDERING SYSTEM · 42 SKU

R1-DE/FE 6kA ELECTRO-MAGNETIC RCBO

42 references - 2 number of pole*7 rated currents*3 curves(B,C,D)

03 SELECTION MATRIX

B / C / D

POLES	1P+N,3P+N	
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Ordering System

Characteristics B,C,D

Poles	1P+N			
In A (30mA)	B(3-5In)		C(5-10In)	D(10-20In)
6	R1DEB06		R1DEC06	R1DED06
10	R1DEB10		R1DEC10	R1DED10
16	R1DEB16		R1DEC16	R1DED16
20	R1DEB20		R1DEC20	R1DED20
25	R1DEB25		R1DEC25	R1DED25
32	R1DEB32		R1DEC32	R1DED32
40	R1DEB40		R1DEC40	R1DED40

Characteristics B,C,D

Poles	3P+N			
In A (30mA)	B(3-5In)		C(5-10In)	D(10-20In)
6	R1FEB06		R1FEC06	R1FED06
10	R1FEB10		R1FEC10	R1FED10
16	R1FEB16		R1FEC16	R1FED16
20	R1FEB20		R1FEC20	R1FED20
25	R1FEB25		R1FEC25	R1FED25
32	R1FEB32		R1FEC32	R1FED32
40	R1FEB40		R1FEC40	R1FED40