KAFI4

Residual current circuit breakers with overcurrent protection

Types

Type A

Applications

RCBOs are used in applications where there is the need to combine protection against overcurrents (overload and short-circuit) and protection against earth leakage currents.
They are used in circuits with an increased requirements regarding touch voltage (bathrooms, event halls, schools, hospitals, swimming pools, marinas, distribution cabinets, mobile houses, etc.)

Features

- Trip free mechanisms
- Earth fault indication window
- Wide range of breaking capacities for application from residential to industrial field
- Connection capacity 25mm² rigid and 16mm² flexible wire
- Assembly to a 35 mm wide mounting rail in accordance with EN 61009
- Optional operation position
- Degree of protection IP20, degree of protection IP40 after installation in a distribution box

Standards

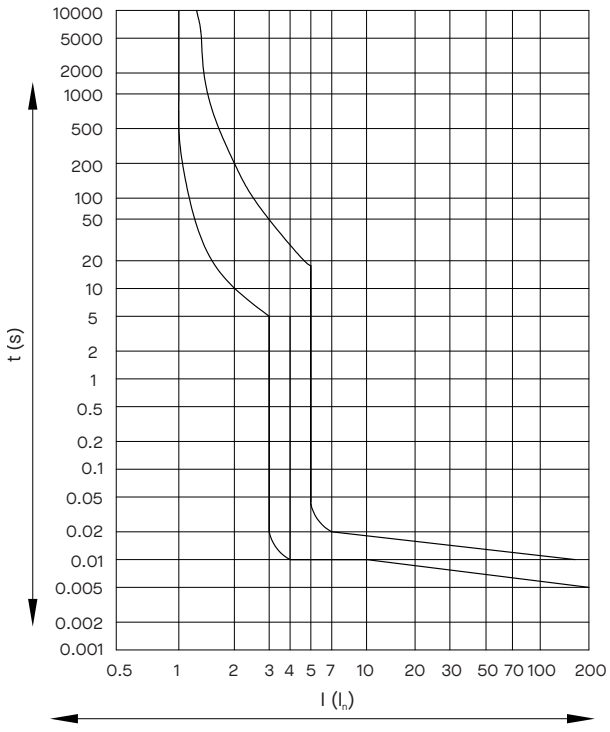
- IEC 61009-1

KAFI4 Type A

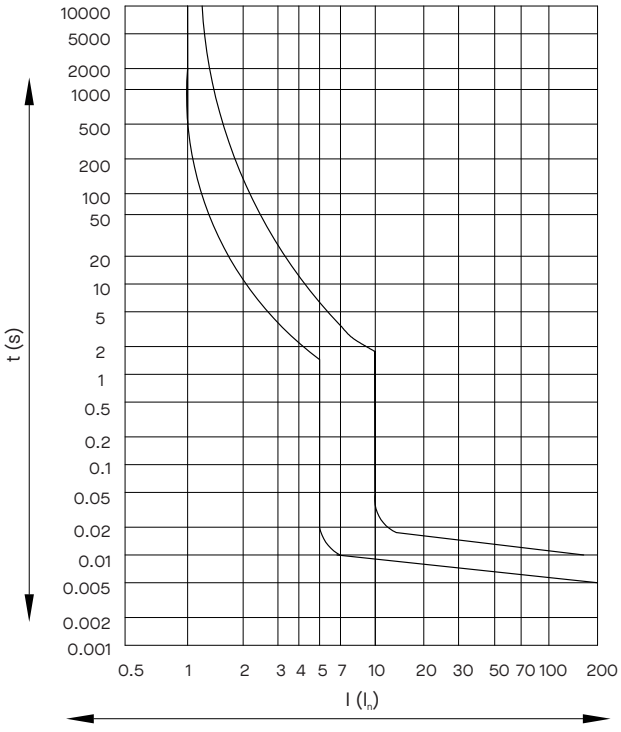
Technical data	Symbol	Unit	KAFI4
Standards			IEC 61009-1
Approvals			CE
Module width			4
Number of poles			4
Rated voltage	U_n	V	400
Rated insulation voltage	U_i	V	400
Rated impulse withstand voltage	U_{imp}	kV	4
Tripping characteristics			B, C
Rated frequency	f	Hz	50/60
Rated current	I_n	A	6, 10, 16, 20, 25, 32, 40
Rated residual current	$I_{\Delta n}$	mA	30, 100, 300
Type of residual current			A
Residual tripping time		ms	<100
Rated short circuit capacity	I_{cn}	A	10.000
Rated residual making and breaking capacity	$I_{\Delta m}$	A	630
Electrical endurance		op. c.	4000
Back-up fuse gL/gG		A	40 (63)
Mechanical endurance		op. c.	10 000
Connecting clamps			lug type
Connecting wires		mm^2	1 ... 25
Mounting			DIN rail acc. to EN 61009
Ambient temperature		°C	-25 ... +40
Storage temperature		°C	-35 ... +60
Tightening torque			2.5
Protection degree		Nm	IP20

Tripping characteristics

Characteristics B acc. to EN 60 898



Characteristics C acc. to EN 60 898



KAFI4 — Characteristics

Type	Rated Current I_n (A)	Rated Residual Current $I_{\Delta n}$ (A)	Number of Poles	Ordering No.	Weight (g)	Packaging (pcs)
KAFI4 characteristic B						
KAFI4 A B16/0.1	16	0,1	4	786.101.216	465	1
KAFI4 A B20/0.1	20	0,1	4	786.101.217	465	1
KAFI4 A B25/0.1	25	0,1	4	786.101.218	465	1
KAFI4 A B32/0.1	32	0,1	4	786.101.219	465	1
KAFI4 A B6/0,03	6	0,03	4	786.100.898	465	1
KAFI4 A B10/0,03	10	0,03	4	786.100.899	465	1
KAFI4 A B16/0,03	16	0,03	4	786.100.900	465	1
KAFI4 A B20/0,03	20	0,03	4	786.100.901	465	1
KAFI4 A B25/0,03	25	0,03	4	786.100.902	465	1
KAFI4 A B32/0,03	32	0,03	4	786.100.903	465	1
KAFI4 A B40/0,03	40	0,03	4	786.100.904	465	1
KAFI4 A B6/0,3	6	0,03	4	786.100.905	465	1
KAFI4 A B10/0,3	10	0,03	4	786.100.906	465	1
KAFI4 A B16/0,3	16	0,03	4	786.100.907	465	1
KAFI4 A B20/0,3	20	0,03	4	786.100.908	465	1
KAFI4 A B25/0,3	25	0,03	4	786.100.909	465	1
KAFI4 A B32/0,3	32	0,03	4	786.100.910	465	1
KAFI4 A B40/0,3	40	0,03	4	786.100.911	465	1
KAFI4 characteristic C						
KAFI4 A C6/0,03	6	0.03	4	786.100.929	465	1
KAFI4 A C10/0,03	10	0.03	4	786.100.930	465	1
KAFI4 A C16/0,03	16	0.03	4	786.100.931	465	1
KAFI4 A C20/0,03	20	0.03	4	786.100.932	465	1
KAFI4 A C25/0,03	25	0.03	4	786.100.933	465	1
KAFI4 A C32/0,03	32	0.03	4	786.100.934	465	1
KAFI4 A C40/0,03	40	0.03	4	786.100.935	465	1
KAFI4 A C6/0,3	6	0,3	4	786.100.936	465	1
KAFI4 A C10/0,3	10	0,3	4	786.100.937	465	1
KAFI4 A C16/0,3	16	0,3	4	786.100.938	465	1
KAFI4 A C20/0,3	20	0,3	4	786.100.939	465	1
KAFI4 A C25/0,3	25	0,3	4	786.100.955	465	1
KAFI4 A C32/0,3	32	0,3	4	786.100.956	465	1
KAFI4 A C40/0,3	40	0,3	4	786.100.957	465	1

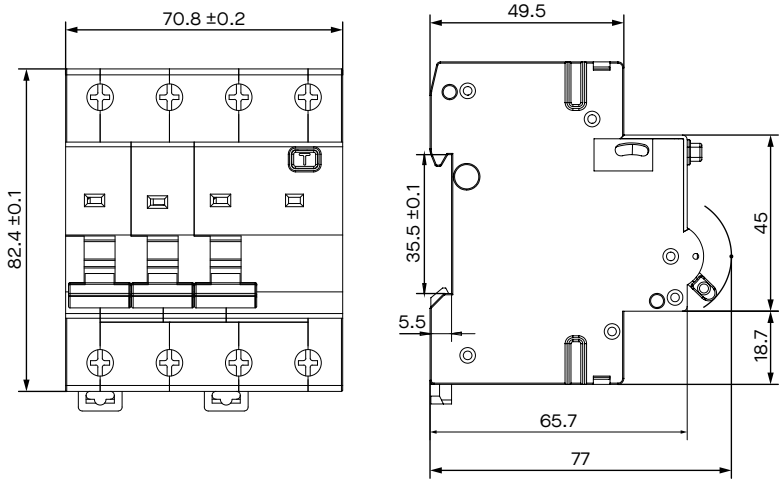
Ordering data

KAFI4 A - 16 - 0.03

- 0.03 — Rated residual operating current $I_{\Delta n}$ (A)
- 16 — Rated current I_n (A)
- A — Tripping characteristics
- KAFI4 — Type

Dimensions

(mm)



Wiring diagram