

DATA SHEET: RCBO COMBINED MCB AND RCCB SERIES AMPARO 1+N, 10KA, TYPE A, NEUTRAL ON RIGHT SIDE



SCHRACK-INFO

- Contact position indicator
- Terminal guide for secure connection
- Terminal cross-section: 1-25mm²
- Snap-on mounting for DIN rail EN 50 022

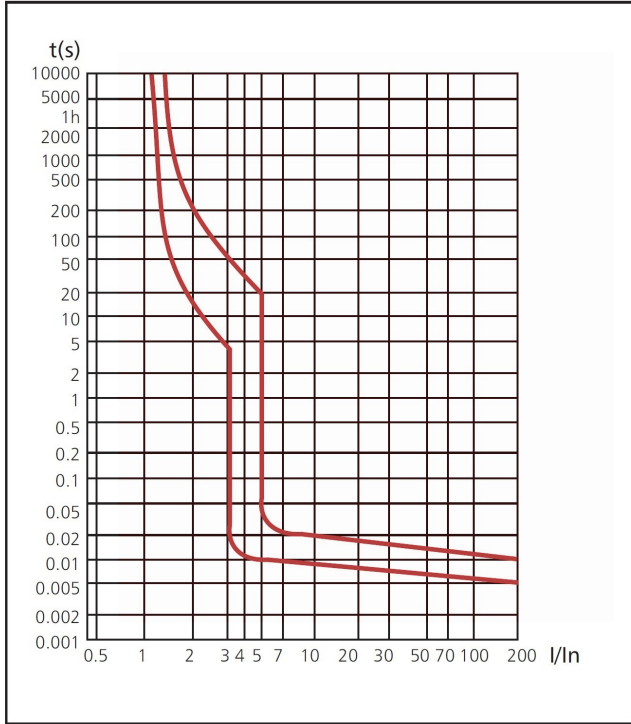
TECHNICAL DATA:

Standards:	IEC 61009-1 / EN 61009-1
Type	A
Poles	1+N
Rated voltage (AC):	230/400V-AC
Rated frequency (AC):	50/60Hz
Rated current I _n	6A, 10A, 16A, 20A, 25A, 32A, 40A
Tripping characteristics:	B, C
Rated sensitivity I _{Δn}	0,03A
Breaking time under I _{Δn}	≤ 0,1s
Rated breaking capacity:	6 kA
Energy limiting class	3
Rated residual making and breaking capacity	500A
Breaking capacity I _{Δm}	10000A

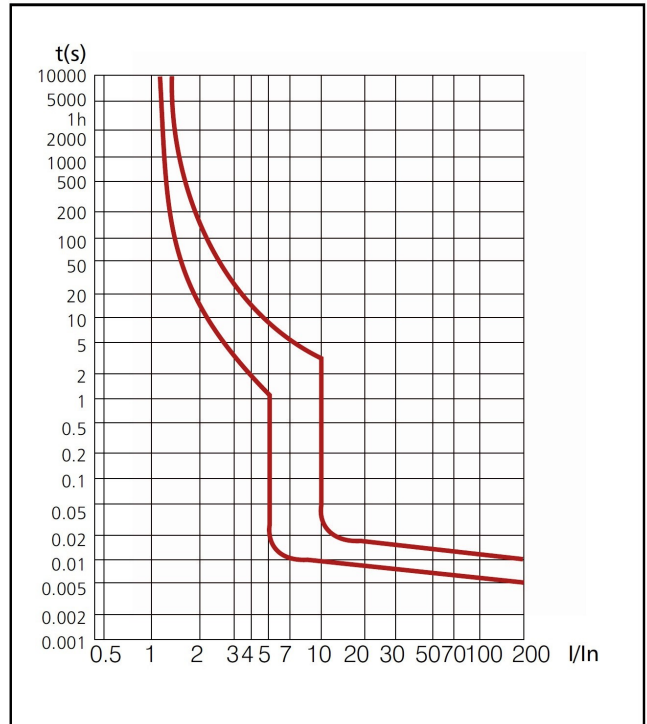
Rated impulse withstand voltage	6kV
Dielectric test voltage at ind. Freq. for 1 min.	2kV
Insulation voltage U_i	500V
Max. back-up fuse as short circuit protection (SCPD):	63A gG
Tripping time	
undelayed	$I\Delta n$ ≤ 300ms
	$2 \times I\Delta n$ ≤ 150ms
	$\geq 5 \times I\Delta n$ ≤ 40ms
No tripping residual current $I_{\Delta no}$	≤ 0,5 $I\Delta n$
Power loss	≤ 6.7W
Polution degree	2
Electrical endurance:	> 2.000 operating cycles
Mechanical endurance:	> 2.000 operating cycles
Contact position indicator	yes
Protection degree	IP 20
Reference temperature:	30°C
Tripping temperature:	-5 °C to +40 °C
Operating temperature:	-25 °C to +70 °C
Terminal connection type top	Cable/ Pin-type busbar
Terminal connection type bottom	Cable/U-type busbar / Pin-type busbar
Connection	From top and bottom
Terminal cross-section:	1 - 25mm ²
Terminal tightening torque:	2Nm
Terminal size for busbar	10mm ²
Mounting:	on DIN rail EN 60715 (35mm) by means of fast clip device

TRIPPING CURVES:

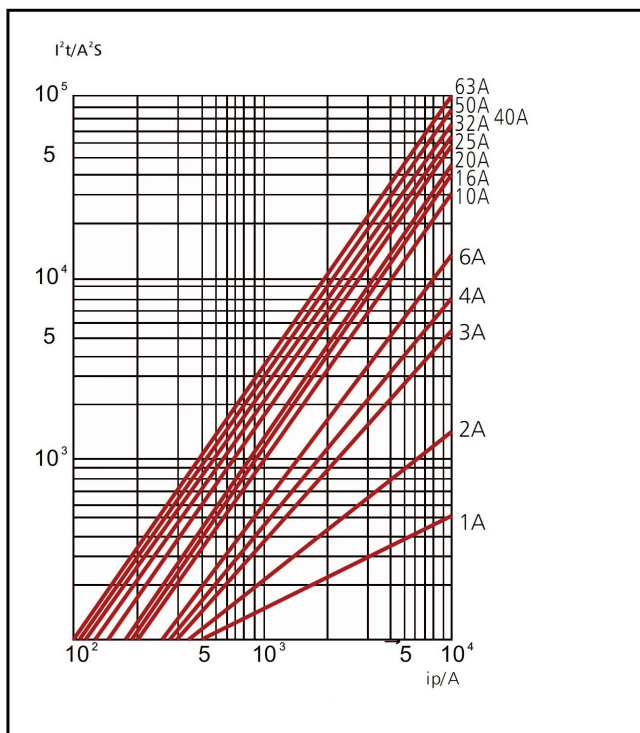
Characteristic B



Characteristic C



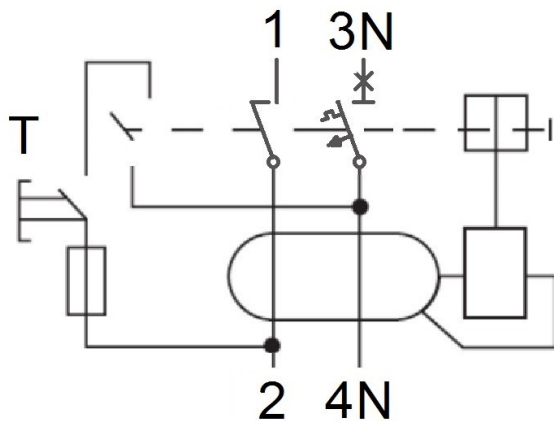
Let-through energy I^2t



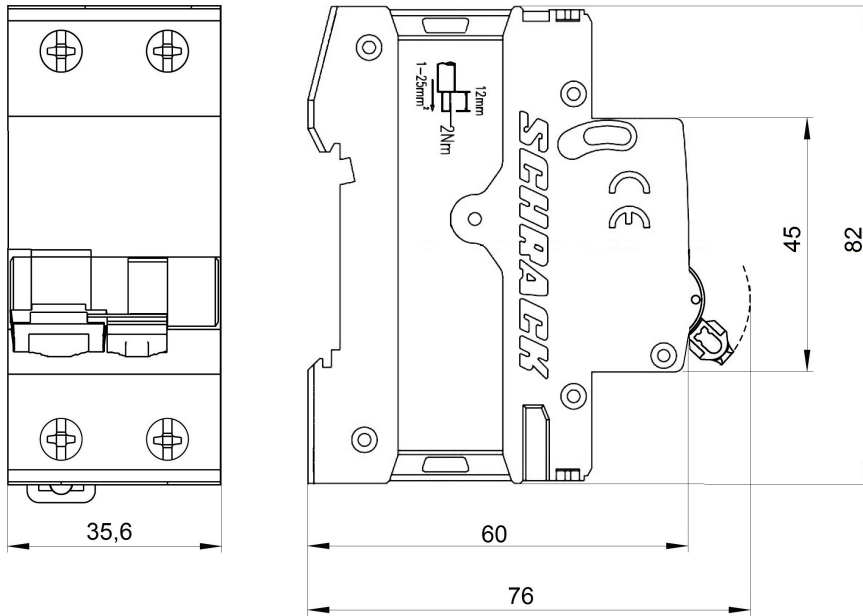
▀ INFLUENCE OF AMBIENT TEMPERATURE ON TRIPPING CURRENT

	- 10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C
6A	7,2	6,9	6,6	6,3	6	5,7	5,4	5,1
10A	12	11,5	11	10,5	10	9,5	9	8,5
16A	19,2	18,4	17,6	16,8	16	15,2	14,4	13,6
20A	24	23	22	21	20	19	18	17
25A	30	28,8	27,5	26,3	25	23,8	22,5	21,3
32A	38,4	36,8	35,2	33,6	32	30,4	28,8	27,2
40A	48	46	44	42	40	38	36	34

▀ WIRING DIAGRAM:



▀ DIMENSIONS:



 ARTICLES:

RCBO Combined MCB and RCCB series AMPARO 1+N, 10kA, type A, neutral on right side

Description	order no.
Characteristic B	
6A	AK618606--
10A	AK618610--
13A	AK618613--
16A	AK618616--
20A	AK618620--
25A	AK618625--
32A	AK618632--
40A	AK618640--
Characteristic C	
6A	AK617606--
10A	AK617610--
13A	AK617613--
16A	AK617616--
20A	AK617620--
25A	AK617625--
32A	AK617632--
40A	AK617640--