

**DATA SHEET: RCBO COMBINED MCB AND RCCB SERIES AMPARO 1+N, 10KA, TYPE A, NEUTRAL ON RIGHT SIDE, 100MA**



**SCHRACK-INFO**

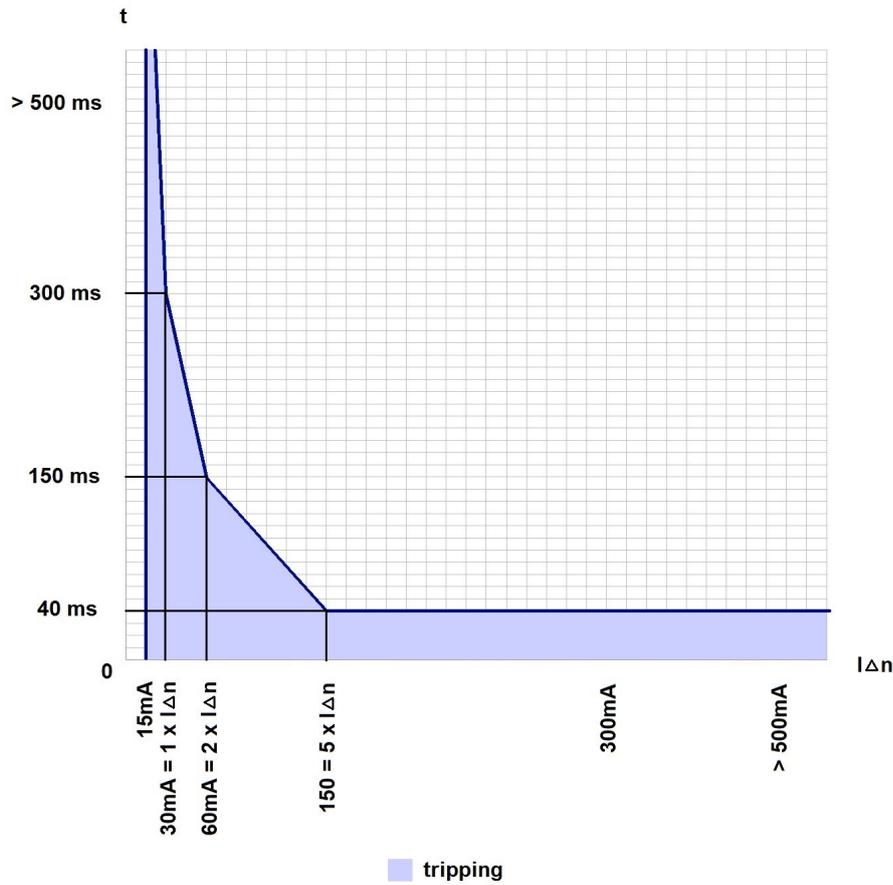
- Contact position indicator
- Terminal guide for secure connection
- Terminal cross-section: 1-2.5mm<sup>2</sup>
- Snap-on mounting for DIN rail EN 50 022

**TECHNICAL DATA:**

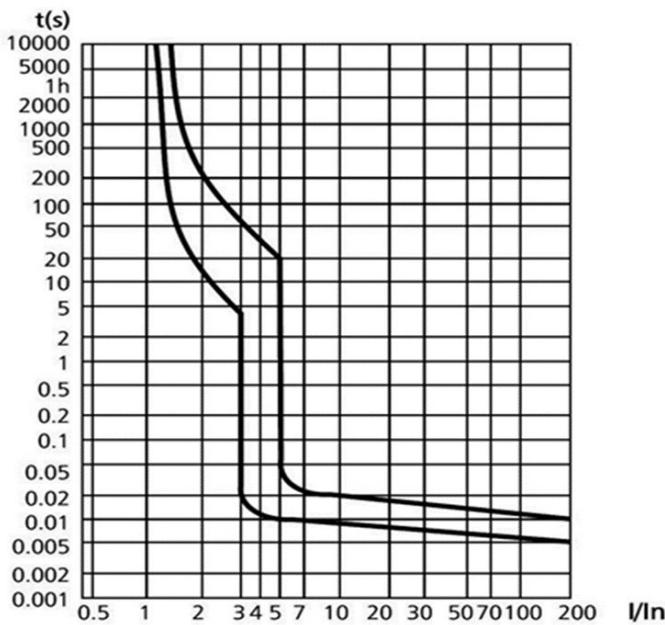
Standards:	IEC 61009-1 / EN 61009-1
Type	A
Poles	1+N
Rated voltage (AC):	230/400V-AC
Rated frequency (AC):	50/60Hz
Rated current I <sub>n</sub>	16A, 20A, 25A
Tripping characteristics:	B, C
Rated sensitivity I <sub>Δn</sub>	0,1A
Breaking time under I <sub>Δn</sub>	≤ 0,1 s
Rated breaking capacity:	6 kA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

Rated impulse withstand voltage (1,2/50) U <sub>mp</sub>	6kV
Dielectric test voltage at ind. Freq. for	2kV
Insulation voltage U <sub>i</sub>	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 <sub>Δno</sub>	≤ 0,5 I <sub>Δn</sub>
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 <sup>2</sup>
Terminal tightening torque:	2Nm
Terminal size for busbar	10mm <sup>2</sup>
Mounting:	on DIN rail EN 60715 (35mm) by means of fast clip device

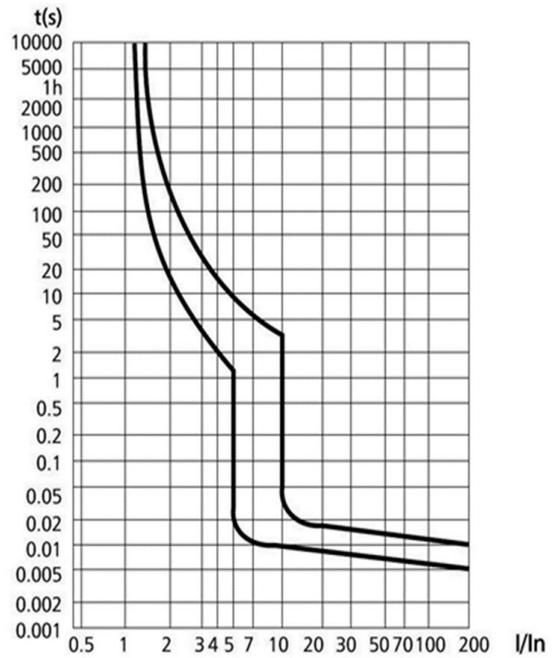
TRIPPING CURVES:



**B Curve**



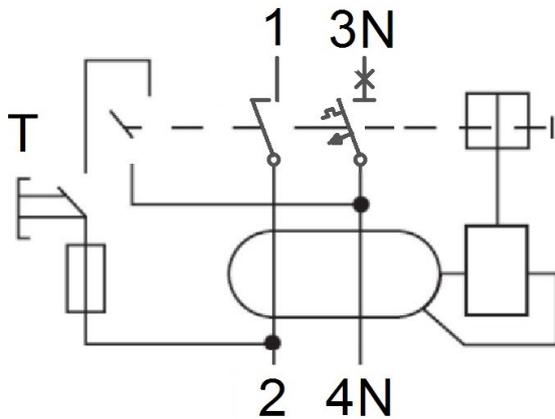
**C Curve**



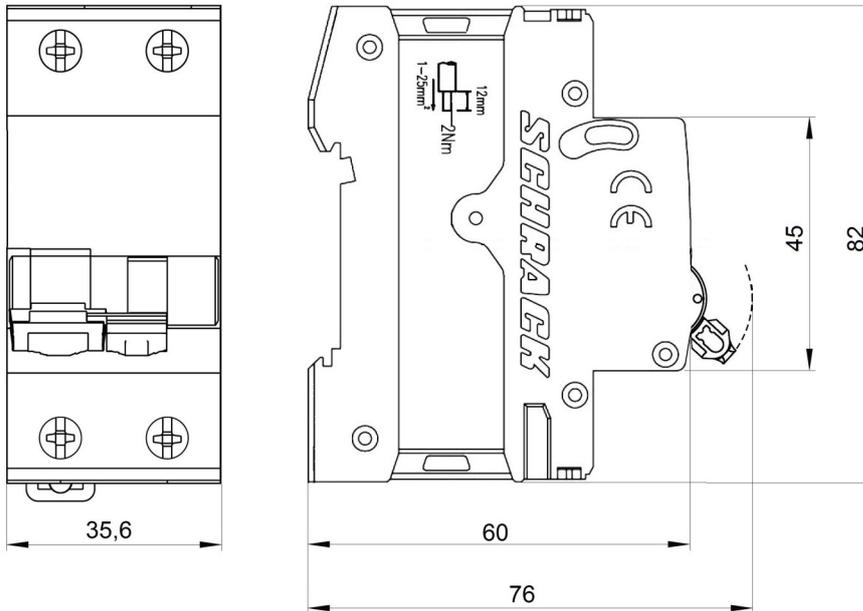
▀ INFLUENCE OF AMBIENT TEMPERATURE ON TRIPPING CURRENT

	- 10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C
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

▀ WIRING DIAGRAM:



**■ DIMENSIONS:**



**■ ARTICLES:**

RCBO Combined MCB and RCCB series AMPARO 1+N, 10kA, type A, neutral on right side, 100mA

Description	order no.
<b>Characteristic B</b>	
16A	AK718616--
20A	AK718620--
<b>Characteristic C</b>	
25A	AK717625--