DATASHEET:
MINIATURE CIRCUIT BREAKER (MCB), SERIES AMPARO



SCHRACK-INFO

- Lift and clamp terminals on both sides
- Terminal guide for secure connection
- Terminal cross-section: 1-25mm²
- Snap-on mounting for DIN rail EN 50 022

TECHNICAL DATA

Standards:	IEC/EN 60898-1 IEC/EN 60947-2
Rated voltage (AC):	230/400 - 240/415V -
Rated frequency (AC):	50/60Hz
Rated current I_n	2, 4, 6, 10, 13, 16, 20, 25, 32, 40A, 50A, 63A
Tripping characteristics:	B, C
Rated breaking capacity:	6 kA acc. to IEC/EN 60898, 6 kA acc. to IEC/EN 60947-2
Energy limiting class	3
Rated impulse withstand voltage (1,2/50) U_{imp}	4kV
Dieelectric test voltage at ind. Freq. For 1 min.	2kV
Polution degree	2

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Total powerloss at I_n	1P	1+N	2P	3P	3+N
2A	2,0 W	4,0 W	4,0 W	6,0 W	8,0 W
4A	2,0 W	4,0 W	4,0 W	6,0 W	8,0 W
6A	2,0 W	4,0 W	4,0 W	6,0 W	8,0 W
10A	2,0 W	4,0 W	4,0 W	6,0 W	8,0 W
13A	3,5 W	7,0 W	7,0 W	10,5 W	14,0 W
16A	3,5 W	7,0 W	7,0 W	10,5 W	14,0 W
20A	4,0 W	7,0 W	7,0 W	11,0 W	14,0 W
25A	4,0 W	7,0 W	7,0 W	11,0 W	14,0 W
32A	4,0 W	7,0 W	7,0 W	11,0 W	14,0 W
40A	5,0 W	10,0 W	10,0 W	15,0 W	20,0 W
50A	5,0 W	10,0 W	10,0 W	15,0 W	20,0 W
63A	5,0 W	10,0 W	10,0 W	15,0 W	20,0 W

Inrernal resistance	2A	459.800mΩ
	4A	94.007mΩ
	6A	51.787mΩ
	10A	9.989mΩ
	16A	6.310mΩ
	20A	3.832mΩ
	25A	2.671mΩ
	32A	2.009mΩ
	40A	1.660mΩ
	50A	1.226mΩ
	63A	1.055mΩ

Certificate	VDE for 1-ole, 2-pole and 3-pole version
Electrical endurance:	> 8.000 operating cycles
Mechanical endurance:	> 20.000 operating cycles
Protection degree	IP 20
Reference temperature:	30°C
Tripping temperature:	-5 °C to +40 °C
Operating temperature:	-35 °C to +70 °C
Terminal connection type	Cable/U-type busbar / Pin-type busbar
Connection	From top and bottom
Terminal cross-section:	1 - 25 mm^2
Terminal tightening torque:	2.5 Nm
Terminal size for busbar	10 mm^2
Mounting:	on DIN rail EN 60715 (35mm) by means of fast clip device

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