

EKM3-63P 6kA

ETЭК®

Plug-in Miniature Circuit Breaker

Standard_IEC60898-1



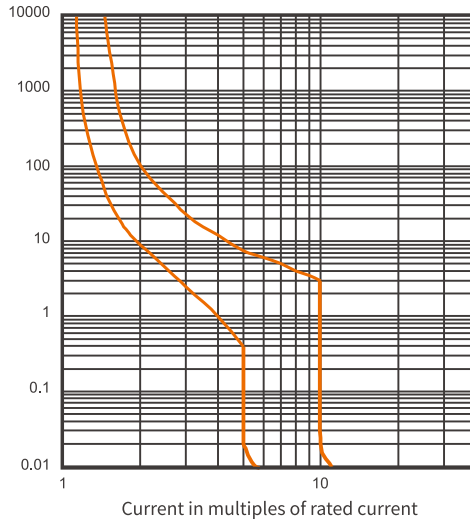
Available in black

Technical Data

Product standard	IEC 60898-1	
Tripping characteristics	B, C	
Rated current range (A)	1, 2, 3, 4, 5, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63	
Number of poles	1P, 2P, 3P	
Rated operational voltage (Ue) V AC	Single pole	240/415
	Multi pole	415
Rated insulation voltage (Ui) V AC	500	
Rated impulse voltage (Uimp) kV	4	
Rated ultimate short circuit breaking capacity Icn (A) at 415V AC	6000	
Rated service short circuit breaking capacity Ics (A) at 415V AC	6000	
Rated frequency (Hz)	50/60	
Suitability for isolation	Yes	
Thermal tripping characteristics	$(1.13-1.45) \times I_n$	
Magnetic tripping characteristics	B: $(3-5) \times I_n$; C: $(5-10) \times I_n$	
Electrical endurance (Number of operation cycles)	≥ 10000	
Energy limiting class	3	
Reference ambient air temperature	50°C	
Operating temperature range	-5°C to +55°C	
Storage temperature range	-5°C to +70°C	
Protection degree	For Housing	IP 40
	For Terminals	IP 20
Terminal capacity (mm ²)	25	
Tightening torque (Nm)	2.5	
Mounting type	Plug-in	
Type of termination incoming	Busbar Plug-in	
Type of termination outgoing	Cables / Busbar	

Tripping Characteristics

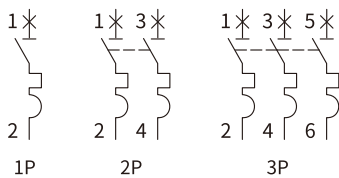
MCB C-curve Time Current Characteristics
Calibration temperature 50°C



Temperature Derating Table

Rated current (A)	Correction factor for ambient temperature								
	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C	70°C
1	1.2	1.15	1.11	1.05	1	0.94	0.88	0.82	0.75
2	2.4	2.31	2.21	2.11	2	1.89	1.76	1.63	1.49
3	3.6	3.5	3.3	3.2	3	2.8	2.6	2.4	2.2
4	4.8	4.6	4.4	4.2	4	3.8	3.5	3.3	3
5	6.1	5.8	5.5	5.25	5	4.7	4.3	4	3.7
6	7.2	6.9	6.6	6.3	6	5.7	5.3	4.9	4.5
10	12	11.5	11.1	10.5	10	9.4	8.8	8.2	7.5
16	19.2	18.5	17.7	16.9	16	15.1	14.1	13.1	11.9
20	24	23.1	22.1	21.1	20	18.9	17.6	16.3	14.9
25	30	28.9	27.6	26.4	25	23.6	22	20.4	18.6
32	38.5	37	35.4	33.7	32	30.2	28.2	26.1	23.9
40	48.1	46.2	44.2	42.2	40	37.7	35.3	32.7	29.8
50	60.1	57.7	55.3	52.7	50	47.1	44.1	40.8	37.3
63	75.7	72.7	69.6	66.4	63	59.4	55.6	51.4	47

Circuit Diagram



Overall and Installation Dimension(mm)

