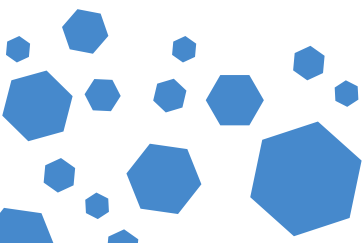


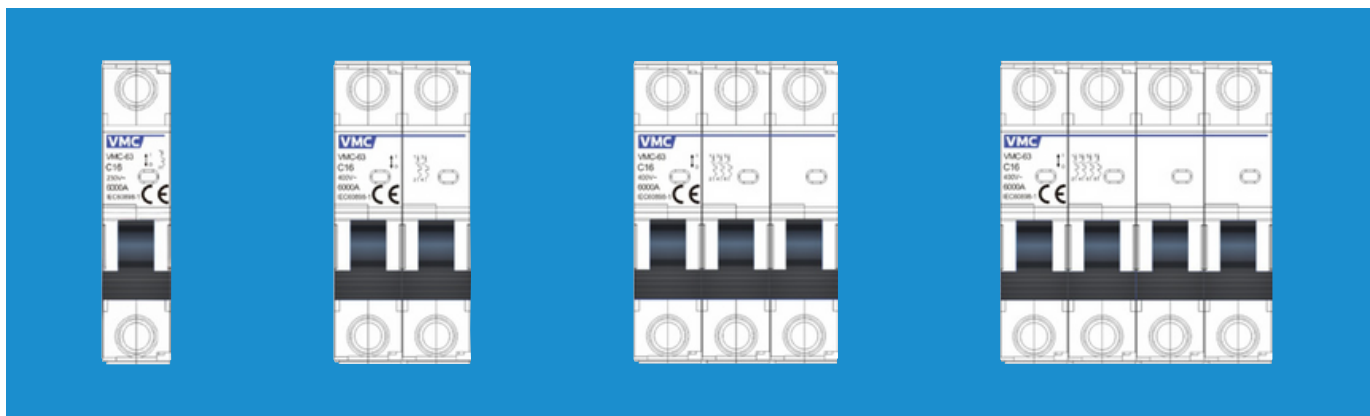
VMC

Subsidiary of Meidensha Japan



MCB





APPLICABLE SCOPE

VMC-63 high breaking miniature circuit breaker has the features of structure advance, performance reliable, breaking capacity high, appearance elegant and its shell and parts are made of material with impact resistance, strong flame-retardant feature. It is suitable to power system of 50 Hz or 60 Hz, rated voltage 400V and below, rated current 63A and below. It is mainly applied at office building, residence, for lighting, power distribution and overload and short circuit protection of equipment. Normally, It also can be used as the not frequent transfer of power system. Life more than 10,000 times (on-off). It conforms to the standards IEC60898 and GB10963.1

TECHNICAL PARAMETER

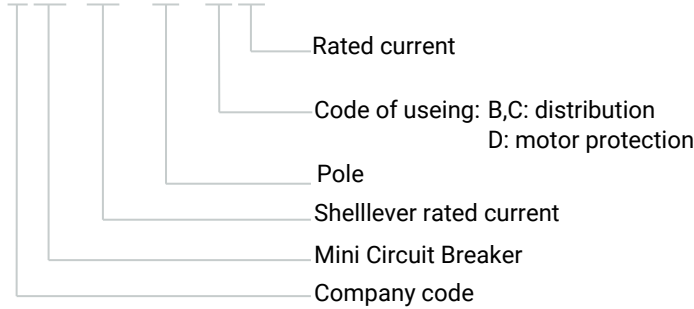
Standard	EN/IEC 60898
Breaking capacity	4.5kA, 6kA
Rated current I_n	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63A
Rated Voltage	1P/2P ~ 230/400VAC 3P/4P ~ 400VAC
Rated insulation voltage U_i	600V
Rated impulse withstand voltage U_{imp}	4kV
Ambient temperature ($^{\circ}C$)	-5 ~ +40
Thermal operating limit	$(1.13-1.45) \times I_n$
Magnetic operating	B: $(3-5) \times I_n$ C: $(5-10) \times I_n$ D: $(10-20) \times I_n$
Number of poles	1P, 2P, 3P and 4P
Type of trip	Thermal/magnetic release
Electrical endurance	8000 times
Mechanical endurance	20.000 times
Terminal capacity	16mm ² flexible 25mm ² stranded
Installation	Mounting on 35mm DIN rail
Protection degree	IP20
Width	17.6mm

CURRENT RELEASE CHARACTER DIAGRAM

Test Current (A)	Test Voltage (V)	Requested time	Result	Start station	Remark
1.13I _n	All	t ≤ 1h	Don't trip	Cool	
1.45I _n	All	t < 1h	Trip	Heat	Current ascends the requested value stably in 5s
2.55I _n	I _n ≤ 32A	I _s < t < 60s	Trip	Cool	Auxiliary switch closed and power on
2.55I _n	I _n > 32A	I _s < t < 120s	Trip		
3I _n (B Type)	All	t ≤ 0.1s	Don't trip		
5I _n (B Type)		t < 0.1s	Trip		
5I _n (C Type)		t ≤ 0.1s	Don't trip		
10I _n (C Type)		t < 0.1s	Trip		
10I _n (D Type)		t ≤ 0.1s	Don't trip		
20I _n (D Type)		t < 0.1s	Trip		

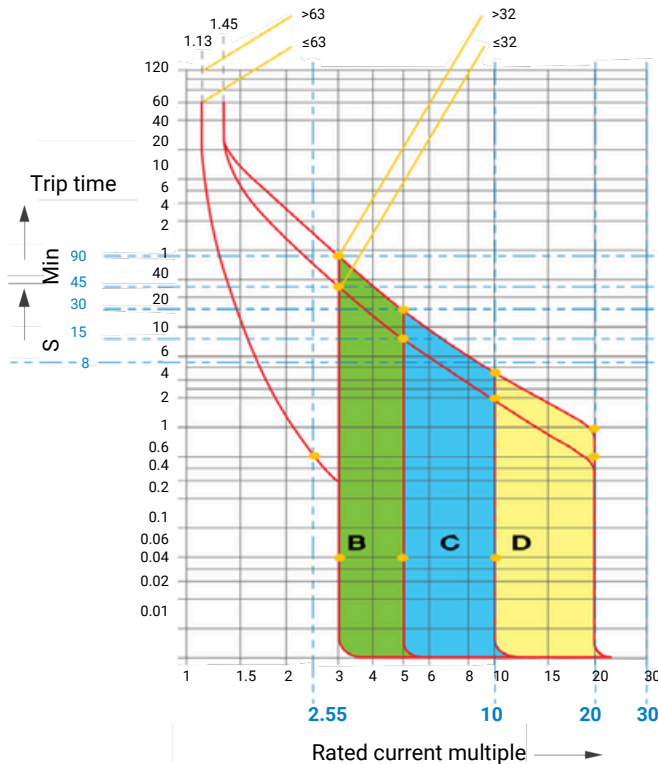
TYPE MEANING

VMC-63 / □ - □ □

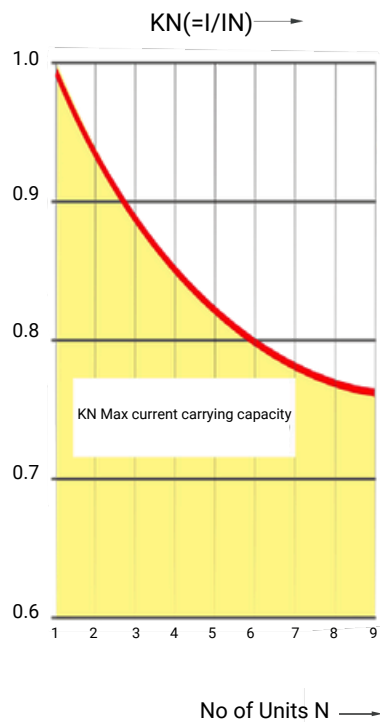


CHARACTERISTIC CURVE

B, C, D Type characteristic curve



Current correction coefficient KN(=I/IN)

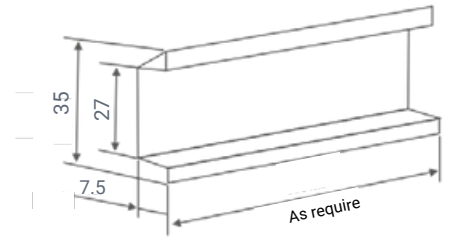
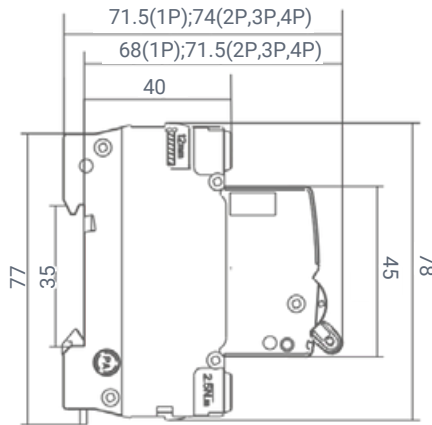
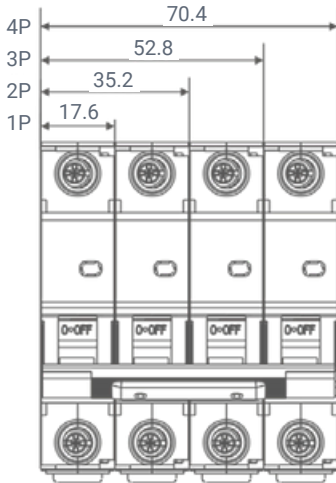




MULTI-MACHINE SIDE BY SIDE INSTALLATION CORRECTION FACTOR

POLE	1	2	3	4	5	6	7	8	9	>9
FACTOR	1	0.95	0.9	0.86	0.82	0.795	0.78	0.77	0.76	0.76

OUTLOOK AND MOUNTING SIZE





VMC

Subsidiary of Meidensha Japan

Technology design by Subsidiary of Meidensha Japan Group

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