

VB12-63H MCB



VeKON

General introduction

Function

VB12-63H series MCB, used as overload and short circuit protection, applies to a circuit of AC 50Hz, rated voltage 230/400V, rated current up to 63A. Usually it functions as un frequently switching. In addition, it can be also used as an isolator to cut off the circuit for maintenance of circuit and equipment.

Application

Industry and commercial buildings, high-rise buildings and residential houses, etc.

Conforms to standard

IEC/EN 60898-1

VB12-63H MCB

Main parameters

Form 1

Types	Values
Rated voltage Un	240V/415V AC(1P), 415V AC(2P、3P、4P)
Rated current In	1A, 2A, 3A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Poles	1P、2P、3P、4P
Instant tripping type	B, C, D
Rated short circuit breaking capacity(Icn)	10000A
Overcurrent protection properties	See Form 2、Diagram 1, 2 and 3
Mechanical and electrical life	See Form 3
Connection wire	See Form 4
Tightening torque	2.0N.m
Nominal temperature ℃	30
Operated ambient temperature ℃	-5~+55
Stored ambient temperature ℃	-25~+70
Pollution level	2
Protection level	IP20
Mounting type	II

Overcurrent protection properties(Nominal temperature 30 ℃)

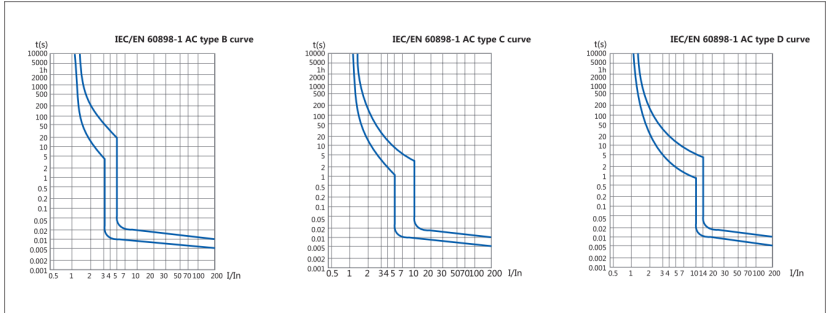
Form 2

Item	Type	Test current	Initial status	Tripping or non tripping time limit	Expected result	Remarks
a	BCD	1.13In	Cold	ts≤1h	Non tripping	
b		1.45In	Test following the previous procedure; Process after test	t < 1h	Trip	Current increases to stipulated value within 5s
c		2.55In	Cold	1s < t < 60s (for In≤32A) 1s < t < 120s (for In > 32A)	Trip	
d	B C D	3In 5In 10In	Cold	ts≤0.1s	Non tripping	Connection of current by opening auxiliary switch
e	B C D	5In 10In 20In	Cold	ts≤0.1s	Trip	Connection of current by opening auxiliary switch

VB12-63H MCB



Diagram 1,2 and 3



Mechanical and electrical life Form 3

Type	Time
Electrical life	10000
Mechanical life	20000

Connection wire Form 4

Rated current In(A)	Copper wire nominal cross-sectional area S (mm²)
1-6	1.0
10	1.5
16,20	2.5
25	4
32	6
40,50	10
63	16

Overall and mounting sizes(mm)

