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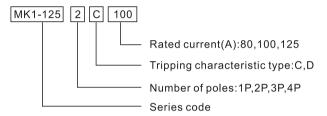
MK1-125 Miniature Circuit Breaker

MK1-125 Miniature Circuit Breaker

Functions

- Overload protection
- Short circuit protection
- Isolation
- Controlling
- Used in residential building.non-residential building, energy, industry and infrastructure.

Instruction of type code



Technical specifications

- Standard:IEC60947-2
- Rated current In(A):80,100,125
- Rated voltage Ue(AC):230/400V
- Operational voltage (AC): Min.24 Max. 250/440V
- Number of poles:1P,2P,3P,4P
- Tripping Characteristics:C,D Characteristic curve B(In):4±20% Characteristic curve C(In):8±20%
 - Characteristic curve D(In):12±20%
- Thermal operating limit(In):1.05-1.3
- Degree of protection: IP40(top), IP20(terminal), with connected conductors
- Electrical life(times):4,000
- Mechanical life(times):10,000
- Breaking Capacity:

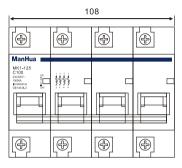
Model	Rated voltage(V)	Icu(KA)	Ics(kA)	Standards
MK1-125	1P:230	10	7.5	IEC60947-2
	2-4P:400	10	7.5	IEC60947-2

- ◆ Fire resistance according to UL 94 : Vo
- Mounting position:Any
- Conductor cross-sections
- Terminal can connect stranded conductor within 50mm²
- Terminal tightening torque(N.m):2.5-4
- lacktriangle The relatative humidity is max95% when ambient temperature($^{\circ}$): 55
- ◆ Storage temperature(°C): -40~+75
- Altitude Max.(meters):2000



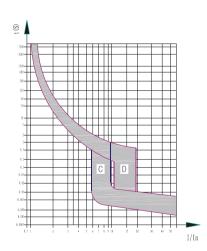
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Outline and installation dimensions



4P

35 45 0 79



MK1-125 Miniature Circuit Breaker

Magnetic release

- An electromagnet with plunger ensures instantaneous tripping in case of short circuit.
- The standard leaves the calibration of magnetic release to manufacturers decision.
- Manhua MCB series MK1-125 offers instantaneous tripping ranges

-release C: 5~10In -release D: 10~20In

Thermal release

- The release is initiated by a bimetal strip in case of overload
- The standard defines the range of release for specific overload values
- Reference ambient temperature is 40℃

Test Current	Tripping Time	
 1.05 l n	t≥2h (In 63A)	Non-Tripping
1.30 I n	t<2h (In 63A)	Tripping

Tripping characteristic curves

C curves

Features

- Rated current up to 125A
- The handle being sealable or equipped with padlock bracket avoids dangerous operation changes(ON/OFF)
- The handle provides a clear indication of the contact position
- Adequate printing of all data on the front provides long-term identification
- Energy limiting class: 3
- The emission of ionized gases is limited to the severest restrictions: 45 mm grid distance
- ◆ This MCB for industry in accordance with IEC 60947-2 instantaneous tripping characteristic with release C: $8ln\pm20\%$, release D: $12ln\pm20\%$
- This MCB may be extended with:
- A wide range of RCDs and RCBO
- Full sets of additional components
- Full sets of accessories