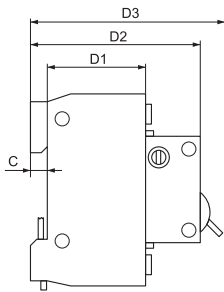
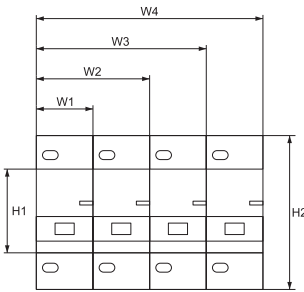
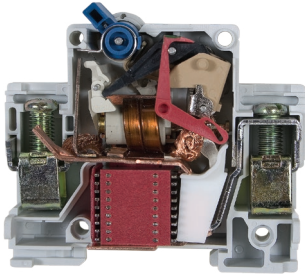


C100M constructive series
 └── number of poles (1;2;3;4)

D x ─── rated current
 └── tripping curve C, D

Documents corresponding to the product:

Standard EN60898-1
 EN 60947-2



Dimensions (mm)

C	D1	D2	D3	H1
5	50	65	74	45
H2	W1	W2	W3	W4
81	27	54	81	108

Miniature circuit breakers (MCB) C100M

7 YEAR WARRANTY *for industrial usage, 3 years warranty

Functions:

- protection of the electrical circuits from overload or short circuits of the outer circuit
- it can be used as a device for commutation and control of electrical circuits
- in combination with auxiliary devices it allows remote control, commutation or indication of the protected circuit

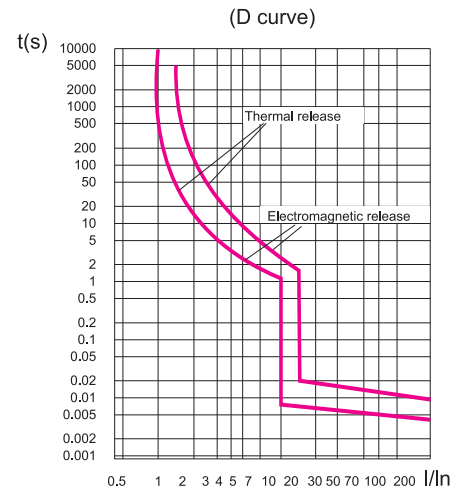
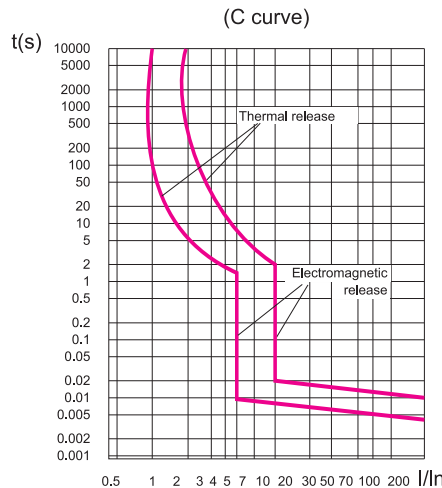
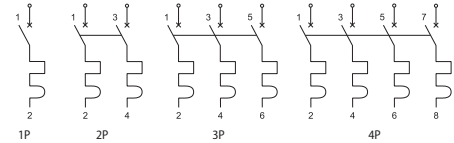
Technical data:

- Rated voltage: 230/400V; 50/60Hz
- Breaking capacity (cycle O-CO) in accordance with standard EN 60 898-1: 10000A
- Rated breaking capacity I_{cs}= 75% I_{cu}
- Isolating voltage: ≥2000V
- Electrical wear resistance (number of cycles): ≥4000
- Mechanical wear resistance (number of cycles): ≥20000
- Class of current limiting: 3
- IP code: IP>20
- Tripping curve: C, D
- Joining terminal: flat (tunnel) screw terminal with composition 1.5 coldly draw-plated plane Q235 – A
- Plastic box – not keeping the burning material nylon PA66, UV rays wear resistance
- Box permittivity strength: >18MV/m
- Abnormal heating wear resistance and fire of the outer parts: 960°C / 3s
- Maximum current release containing:
 - copper coil - composition: pure copper T2 type
 - resistance: from 148 to 230m
 - welding effort: <400 N/
 - bimetal plate – composition: TB180/0.5

- thickness: 0.8mm
- magnetic core – composition: coldly draw-plated metal wire (1Gr18Ni9)
- thickness: 1.15 to 2.24µm
- drawing effort: 20N/mm²
- contact head of the movable contact – composition: silver graphite CAg(5)
- dimension 6x6x1
- static contact – composition: pure copper T2Y2
- composition of the contact head: silver graphite CAg(5)
- Power supply (conducting)
 - power supply busbar
 - rigid conductors up to 50
 - flexible conductors up to 35
- Tightening moment: 1.33Nm

Mounting:

- vertical
- DIN-rail
- possibility for labeling
- for mounting in industrial environment
- ambient temperature: -5°C to + 65°C±2° C



CIRCUIT BREAKERS

Miniature circuit breakers (MCB)



Type	Number of poles	Rated current In (A)	Breaking capacity (kA)	Packing/Box (pcs)	Catalogue number Curve C	Catalogue number Curve D
C100M	1P	80	10	9 / 180	41180	41180D
C100M	1P	100	10	9 / 180	41190	41190D
C100M	1P	125	10	9 / 180	41195	41195D



Type	Number of poles	Rated current In (A)	Breaking capacity (kA)	Packing/Box (pcs)	Catalogue number Curve C	Catalogue number Curve D
C100M	2P	80	10	6 / 120	41280	41281
C100M	2P	100	10	6 / 120	41290	41291



Type	Number of poles	Rated current In (A)	Breaking capacity (kA)	Packing/Box (pcs)	Catalogue number Curve C	Catalogue number Curve D
C100M	3P	80	10	4 / 60	41380	41381
C100M	3P	100	10	4 / 60	41390	41391



Type	Number of poles	Rated current In (A)	Breaking capacity (kA)	Packing/Box (pcs)	Catalogue number Curve C	Catalogue number Curve D
C100M	4P	80	10	3 / 60	41480	41481
C100M	4P	100	10	3 / 60	41490	41491