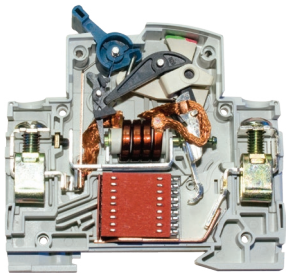
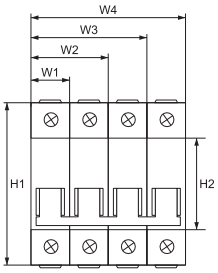
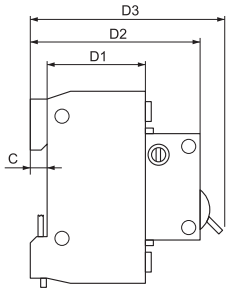
C6xN
- number of poles (1,2,3,4)
- breaking capacity in (kA)
- tripping curve C

C x
- rated current in (A)
- tripping curve C,B

Documents corresponding to the product:
Standard EN60898-1







Dimensions (mm)

C	D1	D2	D3	H1
5	50	65	72	81
H2	W1	W2	W3	W4
45	18	36	54	72

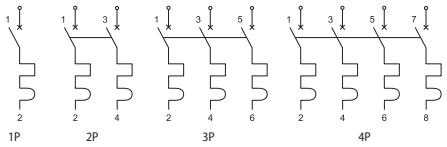
Miniature circuit breakers (MCB) C60N

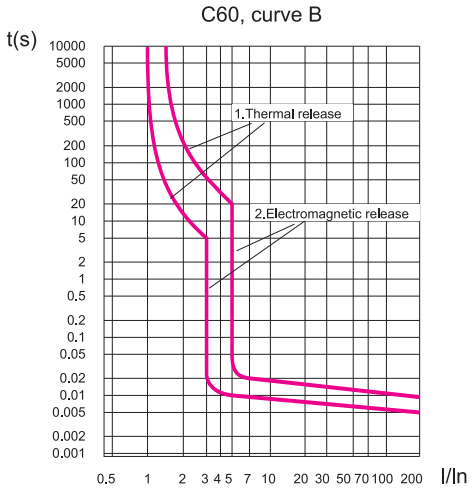
7 YEAR WARRANTY *for industrial usage, 3 years warranty

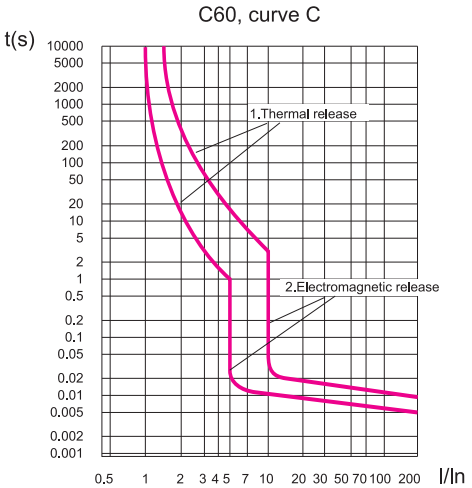
Functions:
- protection of the electrical circuits from overload or short circuits of the outer circuit
- it can be used as a device for commutation and control of electrical circuits
- in combination with auxiliary devices it allows remote control, commutation or indication of the protected circuit
- for mounting in industrial buildings with high contamination level of the electric systems
- for mounting at a distance from the transformer post from 150 to 850 m
- allows protection of consumers generating short circuit currents up to 6000 A

Technical data:
- Rated voltage: 230/400V; 50/60Hz
- Breaking capacity (cycle O-CO) in accordance with standard EN 60 898-1: 6000A
- Rated breaking capacity Ics= 75% Icu
- Isolating voltage:≥2000V
- Electrical wear resistance (number of cycles): 8000
- Mechanical (number of cycles): 50000
- Class of current limiting:3
- IP code: IP>20
- Tripping curve:
  - B – the maximum current release breaks between 3 and 5 In; used to protect long circuits and generators
  - C – the maximum current release breaks between 5 and 10 In; used to protect main power supply cables and conventional consumers
- Joining terminal: Combined screw clamp made of 1.5 cold extruded Q235-A material with additional coating
- Plastic box – not keeping the burning material nylon PA66, UV rays wear resistance
- Status indicator
- Box permitivity strength: >18MV/m
- Abnormal heating wear resistance and fire of the outer parts: 960°C / 3s
- Heat resistance of internal non-electrical components: 850°C / 10 s
- Maximum current release containing:
  - copper coil - composition: pure copper T2 type
  - resistance: from 0.6 to 180m
  - welding effort: <150 000 N/mm
  - bimetal plate – composition: 5J158 to TB180 depending on the current
  - thickness: 0.6mm (up to 40A) and 0.8mm (up to 63A)
  - magnetic core – composition: coldly draw-plated metal wire (1Gr18Ni9)
  - thickness: 1.15 to 2.24µm
  - drawing effort: from 200 to 400N/mm
  - contact head of the movable contact – composition: silver graphite CAg(5)
  - dimension 3x3x0.8 (up to 40A) and 4x4x0.8 (up to 63A)
  - static contact – composition: pure copper T2Y2
  - composition of the contact head: silver graphite CAg(5)
- Power supply (conducting)
  - power supply busbar 1P63, 2P63, 3P63
  - rigid conductors up to 25 mm
  - flexible conductors up to 16 mm
- Tightening moment:1.33Nm

Mounting:
- vertical
- DIN-rail
- for mounting in housing or industrial environment without serious interference
- ambient temperature: -5°C to + 65°C±2° C







Type	Number of poles	Rated current In (A)	Breaking capacity (kA)	Recommended sections of the conductors (g/mm²)	Packing/Box (pcs)	Catalogue number Curve C	Catalogue number Curve B
C61N / 1A	1P	1	6	1.0	12 / 240	**41100N**	**41501N**
C61N / 2A	1P	2	6	1.0	12 / 240	**41102N**	**41502N**
C61N / 4A	1P	4	6	1.0	12 / 240	**41104N**	**41504N**
C61N / 6A	1P	6	6	1.0	12 / 240	**41106N**	**41506N**
C61N / 10A	1P	10	6	1.5	12 / 240	**41110N**	**41510N**
C61N / 16A	1P	16	6	2.5	12 / 240	**41116N**	**41516N**
C61N / 20A	1P	20	6	2.5	12 / 240	**41120N**	**41520N**
C61N / 25A	1P	25	6	4.0	12 / 240	**41125N**	**41525N**
C61N / 32A	1P	32	6	6.0	12 / 240	**41132N**	**41532N**
C61N / 40A	1P	40	6	10.0	12 / 240	**41140N**	**41540N**
C61N / 50A	1P	50	6	10.0	12 / 240	**41150N**	**41550N**
C61N / 63A	1P	63	6	16.0	12 / 240	**41163N**	**41563N**

Type	Number of poles	Rated current In (A)	Breaking capacity (kA)	Recommended sections of the conductor (g/mm²)	Packing/Box (pcs)	Catalogue number Curve C	Catalogue number Curve B
C62N / 2A	2P	2	6	1.0	6 / 120	**41202N**	**41602N**
C62N / 4A	2P	4	6	1.0	6 / 120	**41204N**	**41604N**
C62N / 6A	2P	6	6	1.0	6 / 120	**41206N**	**41606N**
C62N / 10A	2P	10	6	1.5	6 / 120	**41210N**	**41610N**
C62N / 16A	2P	16	6	2.5	6 / 120	**41216N**	**41616N**
C62N / 20A	2P	20	6	2.5	6 / 120	**41220N**	**41620N**
C62N / 25A	2P	25	6	4.0	6 / 120	**41225N**	**41625N**
C62N / 32A	2P	32	6	6.0	6 / 120	**41232N**	**41632N**
C62N / 40A	2P	40	6	10.0	6 / 120	**41240N**	**41640N**
C62N / 50A	2P	50	6	10.0	6 / 120	**41250N**	**41650N**
C62N / 63A	2P	63	6	16.0	6 / 120	**41263N**	**41663N**

Type	Number of poles	Rated current In (A)	Breaking capacity (kA)	Recommended sections of the conductor (g/mm²)	Packing/Box (pcs)	Catalogue number Curve C	Catalogue number Curve B
C63N/2A	3P	2	6	1.0	4 / 80	**41302N**	**41702N**
C63N/4A	3P	4	6	1.0	4 / 80	**41304N**	**41704N**
C63N / 6A	3P	6	6	1.0	4 / 80	**41306N**	**41706N**
C63N / 10A	3P	10	6	1.5	4 / 80	**41310N**	**41710N**
C63N / 16A	3P	16	6	2.5	4 / 80	**41316N**	**41716N**
C63N / 20A	3P	20	6	2.5	4 / 80	**41320N**	**41720N**
C63N / 25A	3P	25	6	4.0	4 / 80	**41325N**	**41725N**
C63N / 32A	3P	32	6	6.0	4 / 80	**41332N**	**41732N**
C63N / 40A	3P	40	6	10.0	4 / 80	**41340N**	**41740N**
C63N / 50A	3P	50	6	10.0	4 / 80	**41350N**	**41750N**
C63N / 63A	3P	63	6	16.0	4 / 80	**41363N**	**41763N**

Type	Number of poles	Rated current In (A)	Breaking capacity (kA)	Recommended sections of the conductor (g/mm²)	Packing/Box (pcs)	Catalogue number Curve C	Catalogue number Curve B
C64N / 2A	4P	2	6	1.0	3 / 60	**41402N**	**41802N**
C64N / 4A	4P	4	6	1.0	3 / 60	**41404N**	**41804N**
C64N / 6A	4P	6	6	1.0	3 / 60	**41406N**	**41806N**
C64N / 10A	4P	10	6	1.5	3 / 60	**41410N**	**41810N**
C64N / 16A	4P	16	6	2.5	3 / 60	**41416N**	**41816N**
C64N / 20A	4P	20	6	2.5	3 / 60	**41420N**	**41820N**
C64N / 25A	4P	25	6	4.0	3 / 60	**41425N**	**41825N**
C64N / 32A	4P	32	6	6.0	3 / 60	**41432N**	**41832N**
C64N / 40A	4P	40	6	10.0	3 / 60	**41440N**	**41840N**
C64N / 50A	4P	50	6	10.0	3 / 60	**41450N**	**41850N**
C64N / 63A	4P	63	6	16.0	3 / 60	**41463N**	**41863N**