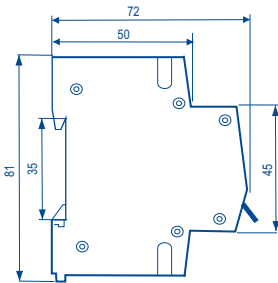
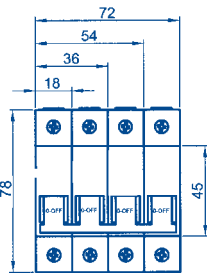
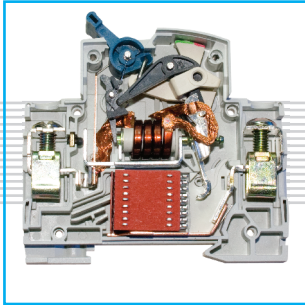


Type designation:

C6xN constructive series
 _ number of poles (1;2;3;4)
C x _ rated current
 _ breaking curve C

Documents corresponding to the product:

Standard EN60898-1



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 system
- 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 wear resistance (number of cycles): ≥50000
- * Class of current limiting: 3
- * IP code: IP>20
- * Breaking 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 permittivity 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 180mΩ
 - welding effort: <150 000 N/mm²
 - 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/mm²
 - 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
 - rigid conductors up to 25 mm²
 - flexible conductors up to 16 mm²
- * Tightening moment: 1.33Nm

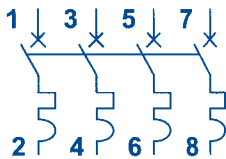
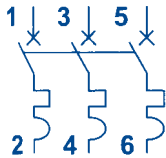
Mounting:

- * vertical
- * DIN-rail
- * for mounting in housing or industrial environment without serious interference

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

Miniature circuit breakers (MCB) C60N - OMEGA design

A1



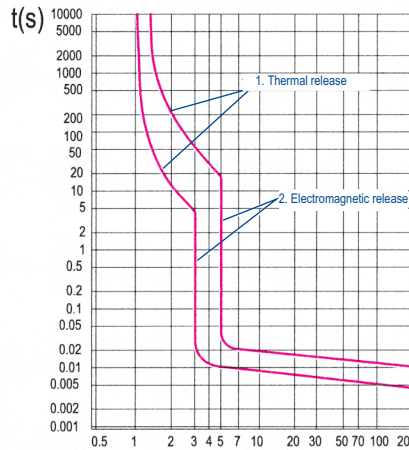
Type	Rated current In (A)	Breaking capacity (kA)	Recommended sections of the mounting conductors (mm ²)	Catalogue number Curve C	Catalogue number Curve B	Package / Box (pcs)
C62N / 2A	2	6	1.0	41202N	41602N	6 / 120
C62N / 4A	4	6	1.0	41204N	41604N	6 / 120
C62N / 6A	6	6	1.0	41206N	41606N	6 / 120
C62N /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

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

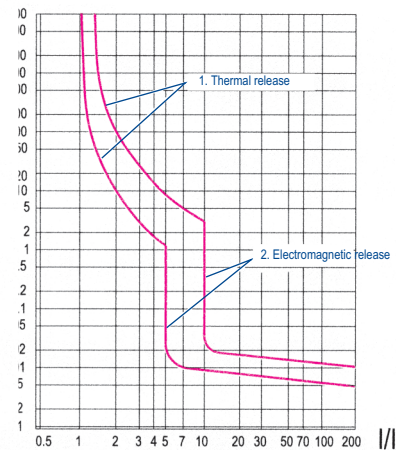
Type	Rated current In (A)	Breaking capacity (kA)	Recommended sections of the mounting conductors (mm ²)	Catalogue number Curve C	Catalogue number Curve B	Package / Box (pcs)
C64N / 2A	2	6	1.0	41402N	41802N	3 / 60
C64N / 4A	4	6	1.0	41404N	41804N	3 / 60
C64N / 6A	6	6	1.0	41406N	41806N	3 / 60
C64N / 10A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

C60 curve B

C60 curve C



I/In



I/In