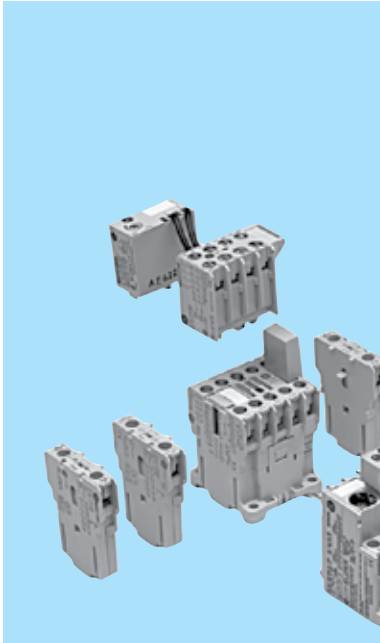


Three pole minicontactors

Max.operat.current Non- inductive loads AC1 ⁽²⁾ A	Motors <440V, 3~ 50/60Hz AC3 ⁽³⁾ A	Admissible power AC3					Aux. contacts		Control circuit: Alternating current		Control circuit: Direct current	
		1-phase 115V 220V		3-phase 220V 380V 500V 230V 400V			•3 •4	•1 •2	Cat. no. ⁽¹⁾	Pack	Cat. no. ⁽¹⁾	Pack
		kW HP	kW HP	kW HP	kW HP	kW HP			Ref. no. see bottom		Ref. no. see bottom	
Terminal: screw												
20	6	0.37 0.5	0.75 1	1.5 2	2.2 3	3 4	1 0	0 1	MC0A310AT ♦ MC0A301AT ♦	20 20	MC0C310AT ♦ MC0C301AT ♦	10 10
20	9	0.56 0.75	1.12 1.5	2.2 3	4 5.5	4 5.5	1 0	0 1	MC1A310AT ♦ MC1A301AT ♦	20 20	MC1C310AT ♦ MC1C301AT ♦	10 10
20	12	0.75 1	2 2.6	3 4	5.5 7.3	5.5 7.3	1 0	0 1	MC2A310AT ♦ MC2A301AT ♦	20 20	MC2C310AT ♦ MC2C301AT ♦	10 10
Terminal: ring terminal												
20	6	0.37 0.5	0.75 1	1.5 2	2.2 3	3 4	1 0	0 1	MC0A310AR ♦ MC0A301AR ♦	20 20	MC0C310AR ♦ MC0C301AR ♦	10 10
20	9	0.56 0.75	1.12 1.5	2.2 3	4 5.5	4 5.5	1 0	0 1	MC1A310AR ♦ MC1A301AR ♦	20 20	MC1C310AR ♦ MC1C301AR ♦	10 10
20	12	0.75 1	2 2.6	3 4	5.5 7.3	5.5 7.3	1 0	0 1	MC2A310AR ♦ MC2A301AR ♦	20 20	MC2C310AR ♦ MC2C301AR ♦	10 10
Terminal: faston 2x2.8 insulated (5)												
16 ⁽⁴⁾	6	0.37 0.5	0.75 1	1.5 2	2.2 3	3 4	1 0	0 1	MC0A310AF ♦ MC0A301AF ♦	20 20	MC0C310AF ♦ MC0C301AF ♦	10 10
16 ⁽⁴⁾	9	0.56 0.75	1.12 1.5	2.2 3	4 5.5	4 5.5	1 0	0 1	MC1A310AF ♦ MC1A301AF ♦	20 20	MC1C310AF ♦ MC1C301AF ♦	10 10
Terminal: printed circuit												
20	6	0.37 0.5	0.75 1	1.5 2	2.2 3	3 4	1 0	0 1	MC0A310AI ♦ MC0A301AI ♦	20 20	MC0C310AI ♦ MC0C301AI ♦	10 10
20	9	0.56 0.75	1.12 1.5	2.2 3	4 5.5	4 5.5	1 0	0 1	MC1A310AI ♦ MC1A301AI ♦	20 20	MC1C310AI ♦ MC1C301AI ♦	10 10
20	12	0.75 1	2 2.6	3 4	5.5 7.3	5.5 7.3	1 0	0 1	MC2A310AI ♦ MC2A301AI ♦	20 20	MC2C310AI ♦ MC2C301AI ♦	10 10
Spare coil									MB0A ♦	10	MB0C ♦	10



- (1) To complete the catalogue number, replace the symbol ♦ by the code corresponding to the voltage and frequency of the control circuit (other voltages on request) (see C.2)
- (2) Electrical endurance AC-1: MC0... 0.2 × 10⁶ operations
MC1... 0.3 × 10⁶ operations
MC2... 0.35 × 10⁶ operations
- (3) Electrical endurance AC-3: MC0... (6A) = 1.2 × 10⁶ operations
MC1... (9A) = 0.85 × 10⁶ operations
MC2... (12A) = 0.6 × 10⁶ operations
- (4) Terminal with wire 1.5 mm²: I_e = 16A
with wire 1 mm²: I_e = 10A
Insulated terminal type B 2.8 × 0.8 and wire 1 mm² I_e = 8A in accordance with DIN 46247.
- (5) Fast-on 1 × 6.3 terminals on request (replace letter F by H in the catalogue number)



Three and four pole minicontactors 6, 9 and 12A (AC3) 20A (AC1)

- Control circuit: Alternating current up to 600V
Direct current up to 440V
- Terminal numbering in accordance with EN 50012
- Fixing by clipping onto 35 mm DIN rail (EN 50022-35) or by screws
- Screws and fast-on terminals protected against accidental contact in accordance with VDE 0106 T.100 and VBG4
- Versions: Ring terminal and printed circuit terminals
- Facility to mount instant and timed auxiliary contact blocks and voltage suppressor block
- Degree of protection IP20 (EN 60529).
- Maximum number of auxiliary contacts to be added: 6

Standards

IEC/EN 60947-1	BS 4794
IEC/EN 60947-4-1	NFC 63-110
IEC/EN 60947-5-1	CSA C22.2/14
EN 50003	VDE 0660
EN 50005	SEV 10254
EN 50012	JIS C8325
UL 508	JEM 1038
NEMA ICS-1	CENELEC HD 419

General data

	MC0...	MC1...	MC2...
Maximum number of poles	4	4	4
Rated thermal current θ_H 60°⁽¹⁾	(A) 20	20	20
Rated operational current I_e⁽²⁾	(A) 6	9	12
[3x440V, 50/60Hz, AC3]			
Rated insulation current U_i	(V) 750	750	750
Rated operational current U_e	(V) 690	690	690

Approvals

 cULus	 DEMKO	 NEMKO
 SEMKO	 SETI	 IMQ
 Lloyd's Register	 Bureau Veritas	 RINA
 CE		

Order codes	pg. C.3
Auxiliary contact blocks	pg. C.6
Accessories	pg. C.8
Dimensions	pg. C.22

Standard voltages

To complete the catalogue number, replace the symbol ♦ by the code corresponding to the voltage and frequency of the control circuit (other voltages on request)*

Alternating current (V). Bifrequency coil

♦	10	1	2	9	3	4	5	6	7	8	12	13
AC	12	24	42	48	110	120	220	230	240	440	380	400
50/60Hz						115						

Operating voltages limits with bifrequency coils:

With 60Hz=0.85 to 1.1 x Us

With 50Hz=0.8 to 1.1 x Us in continuous service (ED=100%) with a maximum ambient temperature of 40°C

Alternating current (V).

♦	A	E	G	K	M	N	S	U	W	Y
AC			48	115		220	260	380	415	500
50Hz				127		240		400	440	
AC	6	32	60		208	240		440	480	600
60Hz					220	277				

Direct current (V)

♦	A	B	C	D	E	F	G	H	I	J	K	L	N	17	R	S	16
DC	6	12	32	24	36	42	48	60	72	110	120	125	220	230	240	250	440

Direct current (V) - Wide voltage range

♦	WD	WE	WG	WI	WJ	WN
DC	24	33	48	72	110	220

* Please Consult GE for non standard Coil Voltages

