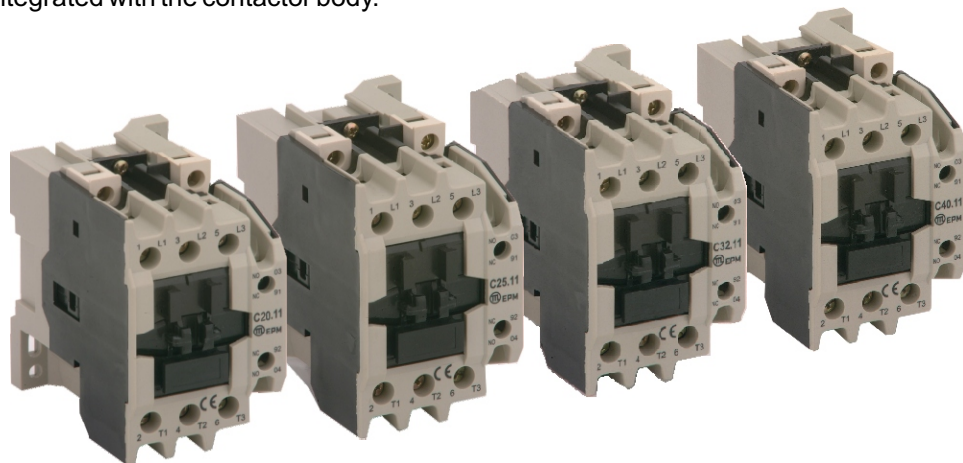


Contactors C20, C25, C32, C40

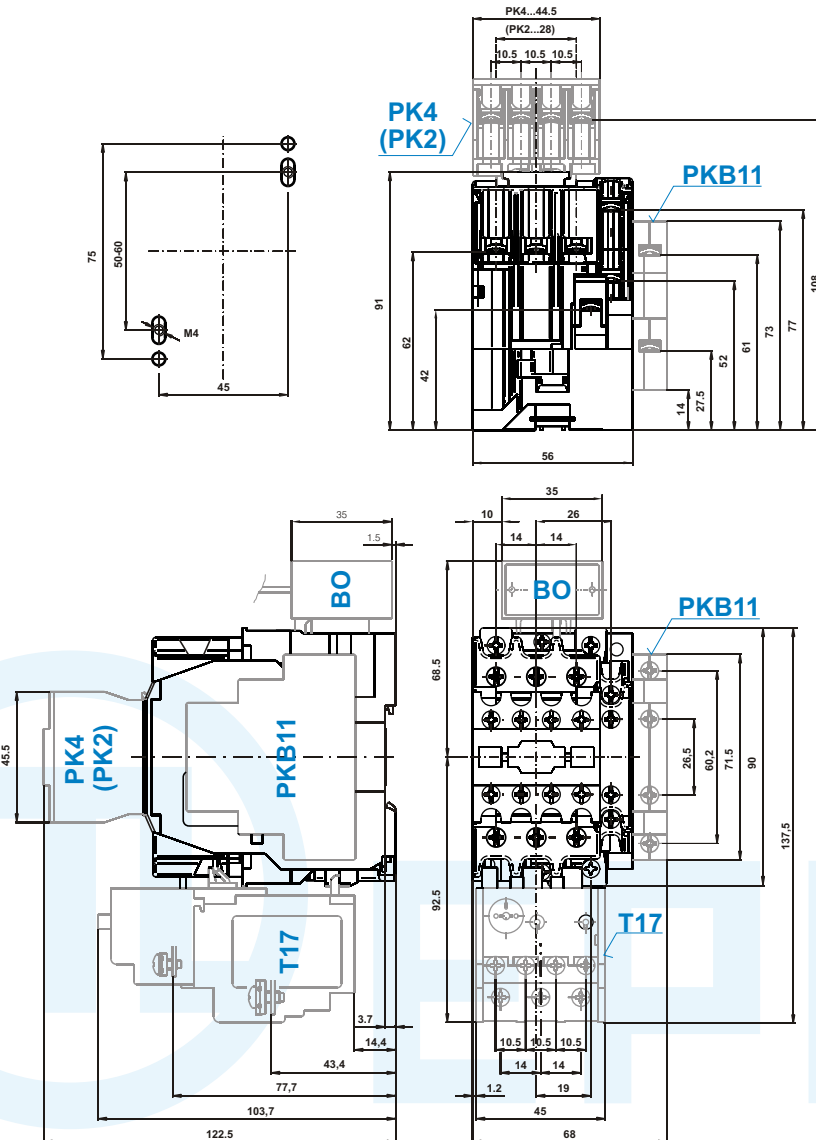
The contactors are manufactured in the current sizes from 20A upto 40A and are intended preferably for controlling of motors of 10 - 20 kW load in the category AC-3. Of course the use in other relevant categories particularly AC-1, AC-2, AC-4, AC-5..., AC6..., DC-1, DC-3, DC-5 is available.

The contactors could be fitted with the following accessories: overload relay T17, two-pole or four-pole unit of auxiliary contact blocks PK, two-pole unit of auxiliary contact blocks PKB for side mounting, electronical timer BT, mechanical blocking unit BB, coil suppressor, interface unit for contactor coil BC. The contactors could be also fitted with relay T50 for the operation in the category AC-4. Two auxiliary contacts in the configuration 11 (or 10 in DC control) are integrated with the contactor body.



Technical data	C20.11 C20.10	C25.11 C25.10	C32.11 C32.10	C40.11 C40.10
Main poles				
Rated insulation voltage U_i [V]	690	690	690	690
Impulse withstand voltage U_{imp} [kV]	8	8	8	8
Conventional free air thermal current I_n [A]	50	50	50	50
Rated operational current I_n in AC-1 at 400 V [A]	25	32	44	50
in AC-3 at 400 V [A]	20 (7)	25 (8)	32 (9,5)	40 (11,3)
Max. output power of controlled motor in AC-3 (AC-4)				
at 220-230 V [kW]	5,5	7,5	11	12,5
at 380-400 V [kW]	10 (3)	11 (3,7)	15 (4,5)	20 (5,5)
at 500 V [kW]	10 (4)	11 (4,5)	18,5 (5,5)	25 (7,5)
at 660-690 V [kW]	11	11	18,5	18,5
Max. number of on-load op. cycles per hour in				
AC-1	300	300	300	300
AC-3	1200	1200	1200	1200
AC-4	600	600	600	600
Power dissipation of one pole on the max. load [W]	2,20	2,20	2,20	2,20
Short-circuit protection by aM fuse [A]	25	32	63	63
Type of coordination SCPD	2	2	1	1
Mechanical durability - AC control [op. cycles]	10×10^6	10×10^6	10×10^6	10×10^6
DC control [op. cycles]	10×10^6	10×10^6	10×10^6	10×10^6
Auxiliary contacts				
Rated insulation voltage U_i [V]	690	690	690	690
Impulse withstand voltage U_{imp} [kV]	8	8	8	8
Conventional free air thermal current I_n [A]	12	12	12	12
Rated operational current I_n in AC-15 at 220-230 V [A]	4	4	4	4
at 380-400 V [A]	2	2	2	2
Electrical durability in AC-15 at 220-230 V, 4 A [op. cycles]	$0,8 \times 10^6$	$0,8 \times 10^6$	$0,8 \times 10^6$	$0,8 \times 10^6$
at 380-400 V, 2 A [op. cycles]	10^6	10^6	10^6	10^6
Control circuit				
Range of AC coil control voltages AC [V/50Hz]	12..500	12..500	12..500	12..500
[V/60Hz]	24..660	24..660	24..660	24..660
Pull-in input power of AC control coil $\pm 10\%$ [VA]	83	83	83	83
Hold-in input power of AC control coil $\pm 10\%$ [VA/W]	14,2/4	14,2/4	14,2/4	14,2/4
Range of DC coil control voltages [V]	12..220	12..220	12..220	12..220
Pull-in input power of DC control coil $\pm 10\%$ [W]	80..150	80..150	80..150	80..150
Hold-in input power of DC control coil $\pm 15\%$ [W]	2,6..2,8	2,6..2,8	2,6..2,8	2,6..2,8
Outline W x H x D [mm]	56x90x91	56x90x91	56x90x91	56x90x91
Mass [kg]	0,52	0,52	0,52	0,52
Degree of protection	IP20/IP10	IP20/IP10	IP20/IP10	IP20/IP10

Outline drawing of contactors C20, C25, C32, C40



Terminals and conductor cross-section

Main poles and auxiliary contact: pillars type terminals facilitate connecting of rigid conductor from 1.5 up to 10 mm² or flexible conductor from 1,5 up to 10 mm²

Auxiliary contacts and coil: pillars type terminals facilitate connecting of rigid conductor from 1 up to 2,5 mm², or flexible conductor from 0,75 up to 1,5 mm².

