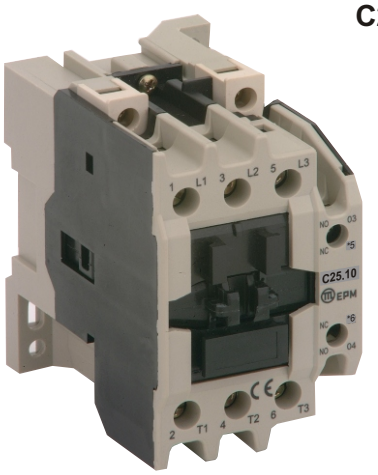
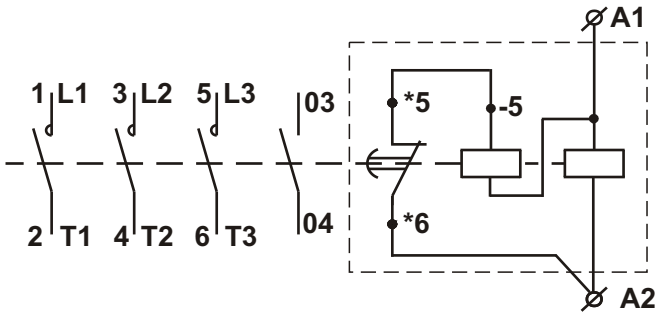
Contactors series “C20..C40” with DC control coil for railway applications - rolling stock

Technical data:		C20.10	C25.10	C32.10	C40.10
Main contacts:					
Rated insulation voltage U_i	[V]	690	690	690	690
Impulse withstand voltage U_{imp}	[kV]	8	8	8	8
Conventional thermal current I_{th}	[A]	50	50	50	50
Rated operational current I_e (AC-3) at 400V	[A]	20	25	32	40
Max. output power of controlled motor in AC-3					
at 220..230 V	[kW]	5,5	7,5	11	12,5
at 380..400 V	[kW]	10	11	15	20
at 500 V	[kW]	10	11	18,5	25
at 660..690 V	[kW]	11	11	18,5	18,5
Max. number of on-load op. cycles in AC-3	[hour $^{-1}$]	1200	1200	1200	1200
Electrical durability in AC-3; 380..400 V;					
20 A	[op. cycles]	1,5 x10^6			
25 A	[op. cycles]		10^6		
32 A	[op. cycles]			10^6	
40 A	[op. cycles]				0,9 x 10^6
Auxiliary contacts					
Rated insulation voltage U_i	[V]	690	690	690	690
Conventional thermal current I_{th}	[A]	12	12	12	12
Rated operational current I_e (AC-15) at 400 V	[A]	2	2	2	2
Electrical durability in AC-15 at 400 V, 2 A		10^6	10^6	10^6	10^6
Control coil:					
Coil voltage for railway applications - rolling stock:		24 V, 48 V or 110V DC -30 %..+25 %, other voltages upon consultion			
Pull-in input power of a DC control coil	[W]	80 .. 150	80 .. 150	80 .. 150	80 .. 150
Hold-in input power of a DC control coi	[W]	2,6 .. 2,8	2,6 .. 2,8	2,6 .. 2,8	2,6 .. 2,8
Contactors:					
Outline dimensions	[mm]	56x90x91	56x90x91	56x90x91	56x90x91
Maas	[kg]	0,532	0,54	0,55	0,55
Degree of protection acc. to VDE 0106, part 100		IP20/IP10	IP20/IP10	IP20/IP10	IP20/IP10

Contactors are marked e.g.:

C20.10 110 V DC DL, C40.10 48 V DC DL, C32.10 24 V DC DL





Terminal marking
C20.10, C25.10, C32.10, C40.10

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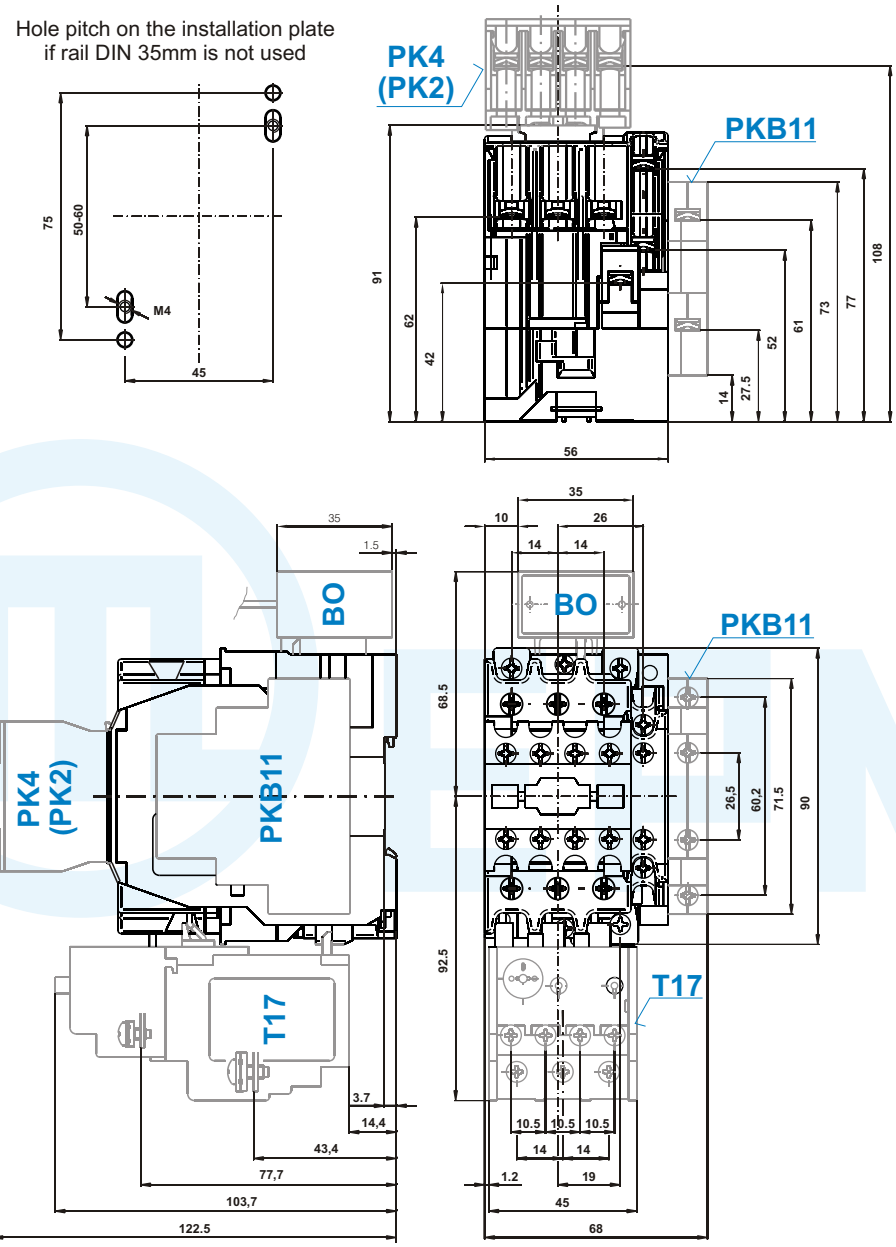
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Contactors series “C20..C40” with DC control coil for railway applications - rolling stock

Outline drawing of contactor together with accessories: thermal overload relay type T17, PK4 or PK2 BO and PKB



Terminals types and conductor cross-sections

Main poles terminal:	screw-type	Conductor cross-section: Rigid - 1,5..10 mm^2, Flexible: 1,5..10 mm^2
Auxiliary contacts and coil:	pillar-type	Conductor cross-section: Rigid - 1..2,5 mm^2, Flexible: 0,75..1,5 mm^2

All terminals facilitate connecting of either single conductor up to the maximum cross-section, or two conductors of the same or by one degree different cross-sections except for the maximum one. Flexible conductors must not be compacted by be compacted by brazing.
All screws with combined PH2 + simple slots.

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