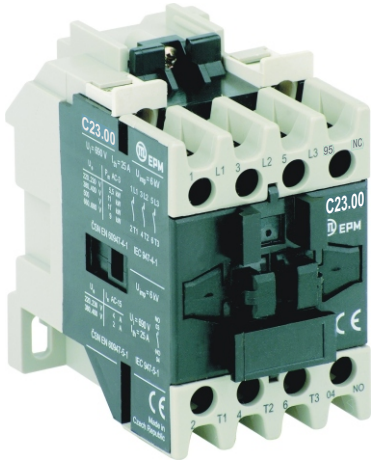
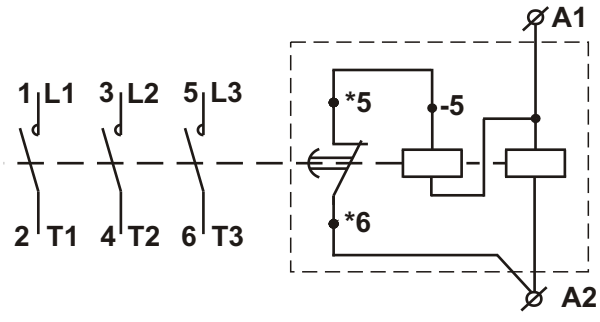
Contactors series “C9..C23” with DC control coil for railway applications - rolling stock

Technical data:		C9.00	C12.00	C17.00	C23.00
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]	25	25	25	25
Rated operational current I_e (AC-3) at 400 V	[A]	9	12	16	23
Max. output power of controlled motor in AC-3					
at 220..230 V	[kW]	2,2	3	4	5,5
at 380..400 V	[kW]	4	5,5	7,5	11
at 500 V	[kW]	5,5	7,5	9	11
at 660..690 V	[kW]	5,5	7,5	9	9
Max. number of on-load op. cycles in AC-3	[hour $^{-1}$]	1200	1200	1200	1200
Electrical durability in AC-3; 380..400 V;					
9 A	[op. cycles]	$1,5 \times 10^6$			
12 A	[op. cycles]		$1,5 \times 10^6$		
16 A	[op. cycles]			$1,5 \times 10^6$	
23 A	[op. cycles]				$1,5 \times 10^6$
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]	55 .. 98	55 .. 98	55 .. 98	55 ..98
Hold-in input power of a DC control coil	[W]	1,98 .. 3,30	1,98 .. 3,30	1,98 .. 3,30	1,98 .. 3,30
Contactors:					
Outline dimensions	[mm]	45x78,5x73	45x78,5x73	45x78,5x73	45x78,5x73
Masse	[kg]	0,3	0,3	0,3	0,3
Degree of protection acc. to VDE 0106, part 100		IP20/IP10	IP20/IP10	IP20/IP10	IP20/IP10

Contactors are marked e.g.:

C9.00 110 V DC DL, C23.00 48 V DC DL, C17.00 24 V DC DL





Terminal marking
C9.00, C12.00, C17.00, C23.00

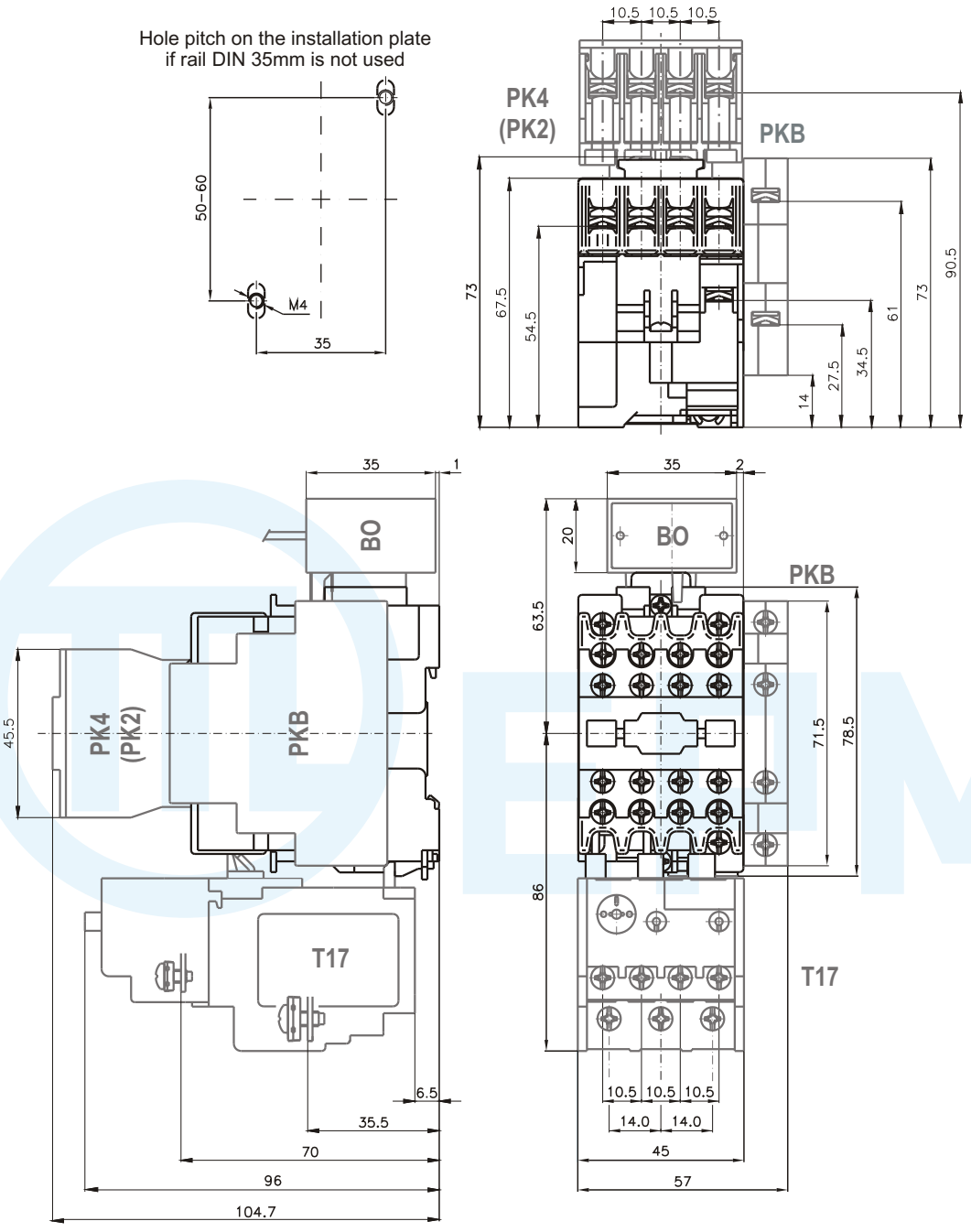
Elektropřístroj s. r. o.
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Contactors series “C9..C23” with DC control coil for railway applications - rolling stock

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..4 mm^2, Flexible: 1..2,5 mm^2
auxiliary contacts and coil: screw-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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