Auxiliary Contactors series “R”

Auxiliary contactors series "R" contain 4 poles in AC controlled versions, or 3 poles in DC controlled versions. The number of poles can be extended up to 10 by means of auxiliary contact blocks.

Technical data:

		R■■	PKR■■
Rated insulation voltage U_i	[V]	690	690
Conventional thermal current I_{th}	[A]	25	12
Rated operational current $I_{e\ (AC-15)}$ at 230 V	[A]	4	4
Rated operational current $I_{e\ (AC-15)}$ at 400 V	[A]	2	2
Max. number of on-load op. cycles	[hour $^{-1}$]	3 600	3 600
Electrical durability in AC-15, 230 V, 4 A	[op. cycles]	0.8×10^6	0.8×10^6
Electrical durability in AC-15, 400 V, 2 A	[op. cycles]	10^6	10^6
Terminals:		screw-type, M3,5, PH2 + simple slots	
Conductor cross-section:	[mm^2]	Rigid 1 .. 4 , Flexible 1 .. 2.5	Rigid 1 .. 2.5, Flexible 0.75 .. 1.5
Mechanically linked contacts acc. to IEC 60947-5-1 Annex L		yes	yes
Degree of protection acc. to VDE 0106, part 100		IP20/IP10	IP20/IP10
Outline dimensions	[mm]	45x78.5x73	44.5 x 45.5 x 37.5
Mass	[kg]	0.3	0.05

Coil voltage AC:	[V]	12, 24, 48, 110, 230, 400, 500
Pull-in input power of an AC control coil	[VA]	54 .. 66
Hold-in input power of an AC control coil	[VA/W]	10.5/3.9±10%
Coil voltage DC:	[V]	12, 24, 48, 110, 220
Coil voltage for railway applications - rolling stock:		48 V or 110 V DC, -30 % ..+25 %
Pull-in input power of a DC control coil	[W]	55 .. 98
Hold-in input power of a DC control coil	[W]	1.98 .. 3.30

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Contactors:

Types available for AC control voltage: **R40E, R31X, R22X**
Types available for DC control voltage: **R30, R21**

examples of marking of aux. contactors:
with an, a AC coil: **R40 220..230V / 50Hz**
with an, a DC coil: **R30 24V DC**
with an, a DC coil for railway applications: **R30 110V DC -30% +25%**

Auxiliary contact blocks:

four pole units: **PKR40, PKR31, PKR22, PKR13, PKR04**
two pole unit for side mounting: **PKBR11,** one unit per contactor permitted only.



R40E



PKR22



PKBR11

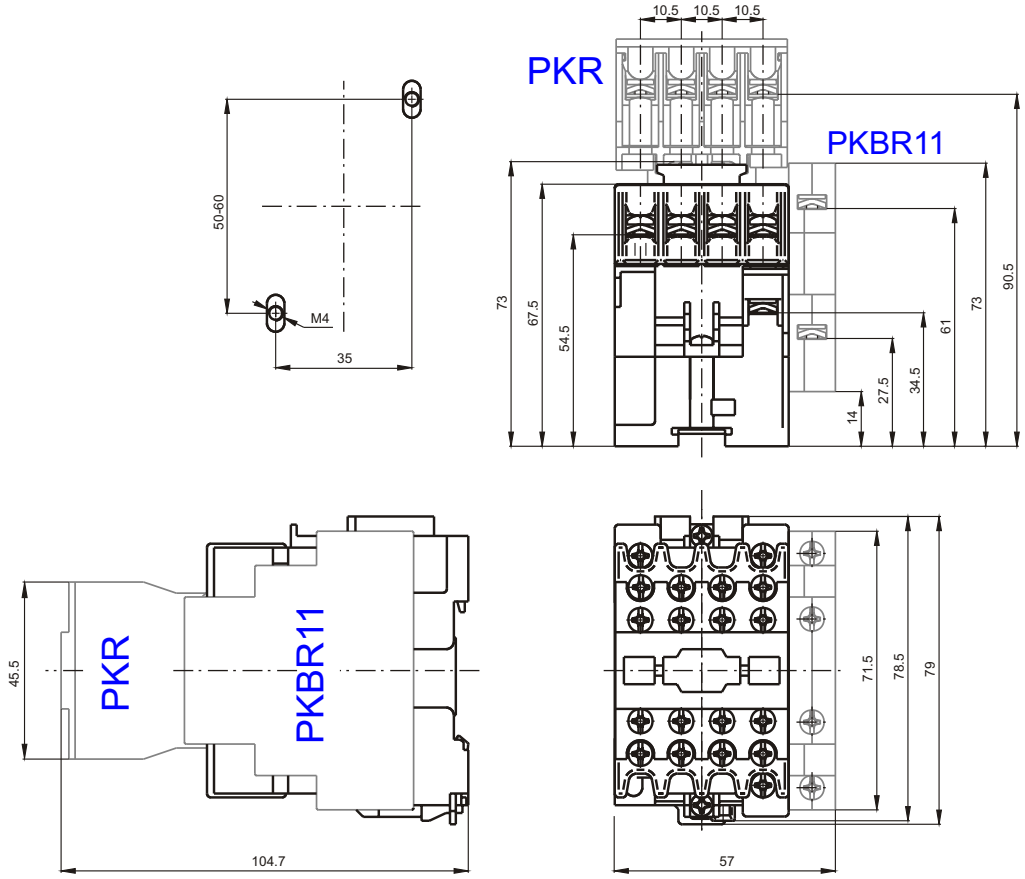
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Mezi Vodami 1955
143 04 Praha 4 Modřany

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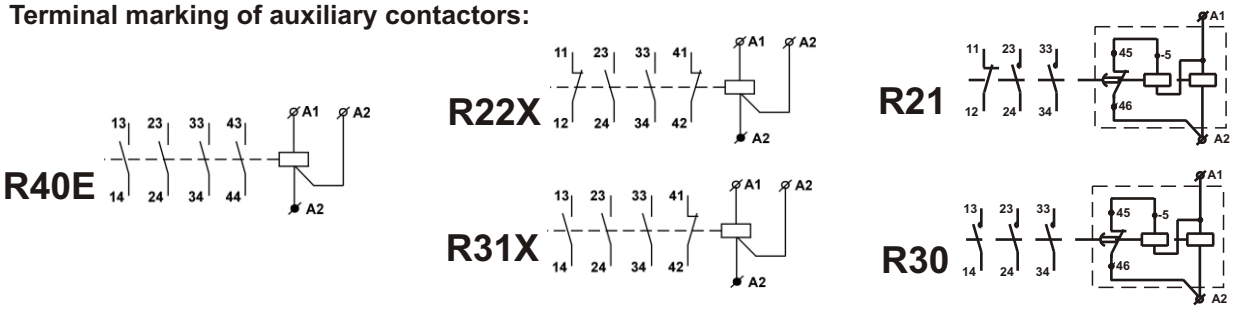
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E-mail: epm@epm.cz

Auxiliary Contactors series “R”

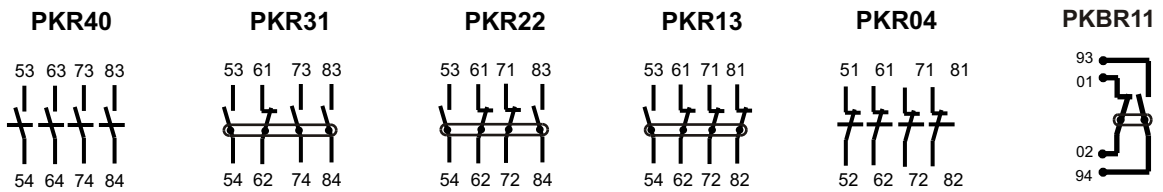
Outline drawing of contactor together with auxiliary contact blocks:



Terminal marking of auxiliary contactors:



Terminal marking of auxiliary contact blocks:



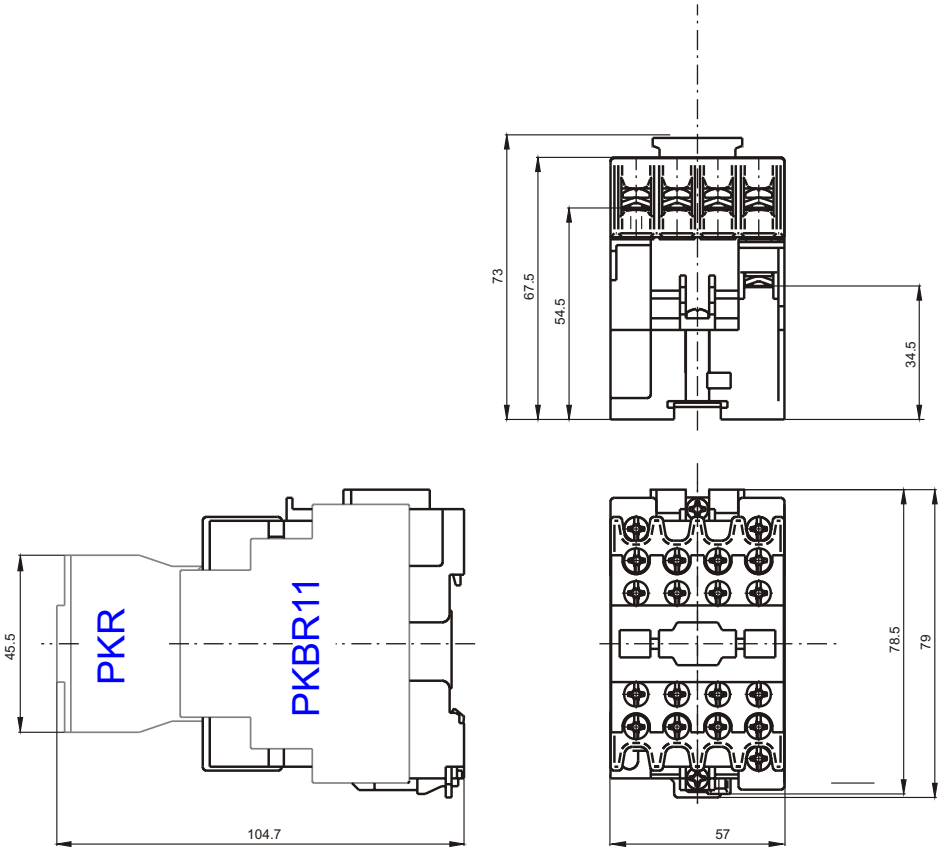
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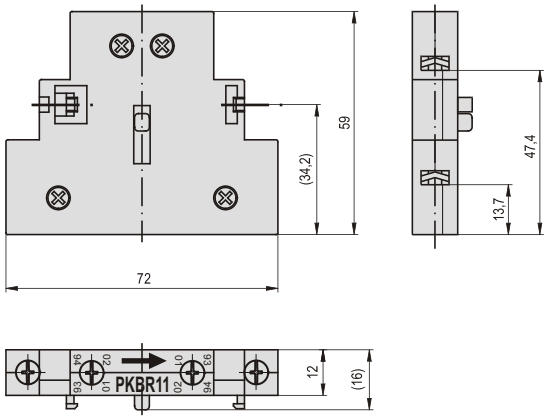
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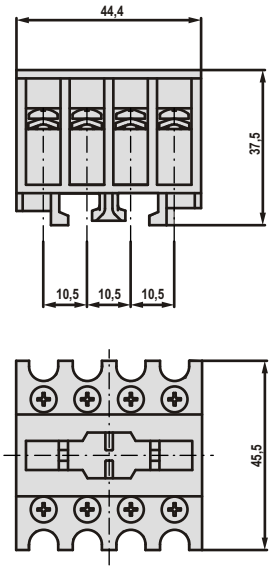


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Dimension drawing PKBR



Dimension drawing PKR



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