

weight about

0.12kg

### Technical data after IEC/EN60947-4-1, IEC/EN60947-5-1, VDE 0660

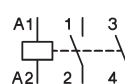
Type	R20..		
<b>main switching elements</b>			
Rated insulation voltage U <sub>R</sub>	V~		<b>440</b>
operating voltage U <sub>e</sub>	V~		440
<b>Permitted switching frequency e.g. AC1, AC3</b>	1/h		300
<b>Mechanical life</b>	S x 10 <sup>6</sup>		1
<b>Utilization category AC1</b>			
Rated operational current I <sub>e</sub> (=I <sub>th</sub> ) open at 60°C	A		20
<b>contact life</b>	S x 10 <sup>6</sup>		0.1
<b>Lowest switching voltage short-time</b>	V/mA	24/100	
<b>withstand current</b> 10s stream	A		72
<b>dissipation</b> per pole at I/AC1	W		2
<b>Utilization category AC5b</b>			
<b>Switching of motors</b>			
rated power engine	230V	kW	1.1
<b>Utilization category AC5a</b>			
<b>Switching of fluorescent lamps</b>			
1-phase 1-pin 220-240V	A		kW
uncompensated	10		1.1
parallel compensated	2.3		0.4
duo circuit	16		3.0
<b>Utilization category AC5b</b>			
lightbulbs	6		1.4
<b>short circuit protection</b>			
Fuse coordination type "1"	gL (gG)	A	35
rated short-circuit current	"r"	no	3
	"Iq"	no	3
<b>switching times</b> at control voltage U <sub>s</sub> ±10%			
	closing delay	ms	7 - 16
	opening delay	ms	6 - 12
	arc duration	ms	10 - 15
<b>performance of the magnetic coils</b>			
AC operated switch on	v.a		7 - 9
	Hold	v.a	2.2 - 4.2
		W	0.8 - 1.6
<b>Working range of the magnetic coils</b>			
in multiples of u <sub>s</sub>	(-40°C to +40°C)		0.85 - 1.1

## circuit diagram

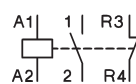
R20-10



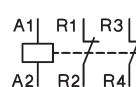
R20-20



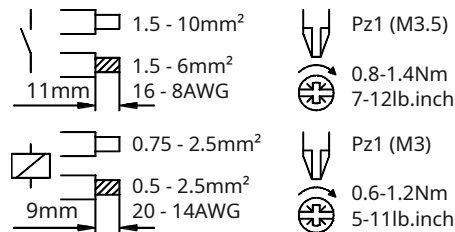
R20-11



R20-02



### connection cross-sections screwdriver, torques



Dimensions

