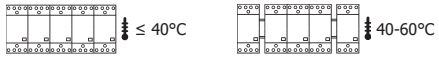


# MODULAR CONTACTOR R25-..VM, 2-pole, hum free

Technical Data acc. to IEC/EN60947-4-1, IEC/EN60947-5-1, VDE 0660

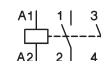
		Type	R25..
<b>Main Contacts</b> <sup>1) 2) 3)</sup>			
Rated insulation voltage $U_i$		V~	440 <sup>4)</sup>
Rated operation voltage $U_e$		V~	440
Frequency of operations $z$	AC1, AC3	1/h	300
Mechanical life		$S \times 10^6$	1
<b>Utilization category AC1 / AC7a, Switching of resistive load</b>			
Rated operational current $I_e (=I_{th})$	open	at 60°C	<b>A</b> <b>25</b>
Contact life			$S \times 10^6$ 0,1
Minimum switch voltage			V/mA 24/100
Short time current	10s-current		A 72
Power loss per pole at $I_e/AC1$			W 2
<b>Utilization category AC2 and AC3 / AC7b, Switching of three-phase motors</b>			
Rated operational current $I_e$		A	9
Rated operational power	220V	kW	2,2
50-60Hz	230-240V	kW	2,5
	380-415V	kW	4
Contact life		$S \times 10^6$	0,15
<b>Power consumption of coils</b>			
AC and DC operated		W	2-3
<b>Operation noise acc. to ISO EN 3744</b>			
	from front, distance 0,5m	dB	0
<b>Operation range of coils</b>			
in multiples of control voltage $U_s$		-40°C to +40°C	0,85-1,1
<b>Maximum ambient temperature</b>			
	open	°C	-40 to +60
	enclosed	°C	-40 to +40
Storage		°C	-50 to +90
<b>Short circuit protection</b>			
Max. fuse Coordination-type "1"	gL (gG)	A	35
Rated short circuit current	"r"	kA	3
	"Iq"	kA	10
<b>Switching time at control voltage <math>U_s \pm 10\%</math></b>			
	make time	ms	17-50
	release time	ms	17-23
	arc duration	ms	10-15
<b>Cable cross-sections</b>			
Main connector	solid or stranded	mm <sup>2</sup>	1,5-10
	flexible	mm <sup>2</sup>	1,5-6
	flexible with multicore cable end	mm <sup>2</sup>	1,5-6
Clamps per pole			1
Magnetic coil	solid or stranded	mm <sup>2</sup>	0,75-2,5
	flexible	mm <sup>2</sup>	0,5-2,5
	flexible with multicore cable end	mm <sup>2</sup>	0,5-1,5
Clamps per pole			1



Symbol picture

## Wiring diagrams

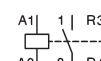
R25-20VM



R25-02VM



R25-11VM



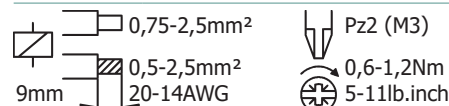
## Gewicht

0,22kg

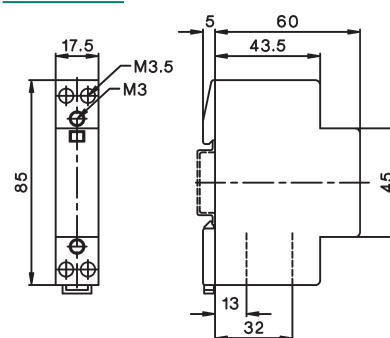
## Coil voltages

R25-.. 24VM 24V 50/60Hz, 24V=DC  
 R25-.. 230VM 220-240V 50/60Hz, 220V=DC

## Cable cross-sections, screw driver, tightening torque



## Dimensions



- 1) Rated frequency 50/60Hz
- 2) Max. occ switching overvoltage < 4kV
- 3) Duty cycle: 100%
- 4) Suitable for: earthed-neutral systems, overvoltage category I to III, pollution degree 3 (standard-industry):  $U_{imp} = 4kV$

Technical data are subject to change without notice

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D994\_2pole\_VM