

Type: **PKZM0-4**

Article No.: **072737**

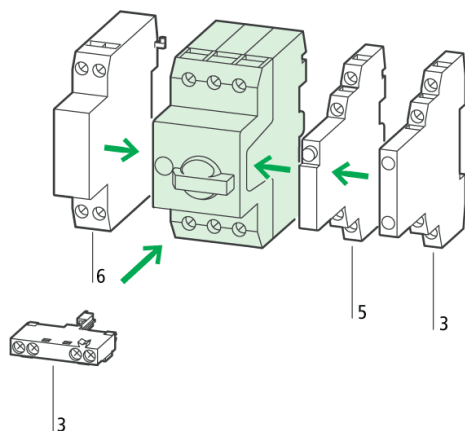
Sales text **MOTOR PROTECTION,START.PKZM0**



Ordering information

Connection technique			Screw terminals
220 – 240 V			
AC-3 220 V 230 V 240 V	<i>P</i>	kW	0.75
AC-3 380 V 400 V 415 V	<i>P</i>	kW	1.5
AC-3 440 V	<i>P</i>	kW	1.5
AC-3 500 V	<i>P</i>	kW	2.2
AC-3 660 V 690 V	<i>P</i>	kW	3
Rated uninterrupted current	<i>I_u</i>	A	4
Setting range			
Short-circuit releases	<i>I_{rm}</i>	A	56

Notes concerning the product group



Accessories

3 Standard auxiliary contact → [072896](#)

5 Trip-indicating auxiliary contact → [072898](#)

6 Shunt release, undervoltage release → [073187](#)

Single-phasing sensitivity to IEC/EN 60947-4-1

Can be snap-fitted to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height



→ [266164](#)

PTB 02 ATEX 3151, see manual

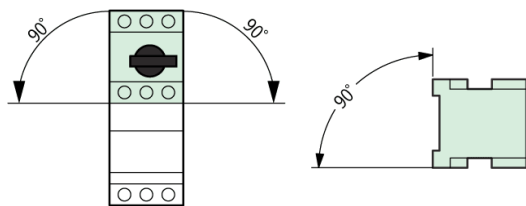
General

Standards			IEC/EN 60947, VDE 0660, UL 508, CSA C 22.2 No. 14
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Storage		°C	... 25...+80
Open		°C	-25...55
Enclosed		°C	-25...40
Direction of incoming supply			As required
Degree of protection			
Device			IP 20
Terminations			IP00
Protection against direct contact			Finger and back-of-hand proof
Mechanical shock resistance half-sinusoidal shock 10 ms to IEC 60068-2-27		g	25

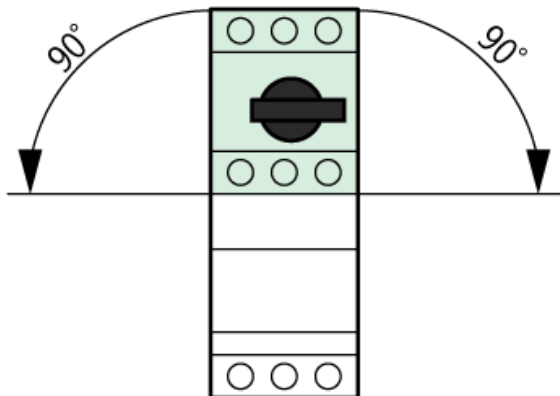
Altitude		m	2000
Terminal capacity screw terminals			
Solid		mm ²	1 × (1 – 6) 2 × (1 – 6)
Flexible with ferrule to DIN 46228		mm ²	1 × (1 – 6) 2 × (1 – 6)
Solid or stranded		AWG	18 – 10
Terminal capacity springloaded terminals			
Solid		mm ²	1 × (1...2.5) 2 × (1...2.5)
Flexible with ferrule to DIN 46228		mm ²	1 × (1...2.5) 2 × (1...2.5)
Solid or stranded		AWG	18...14
Specified tightening torque for terminal screws			
Main cable		Nm	1,7
Control circuit cables		Nm	1
Main conducting paths			
Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated operational voltage	U_e	V AC	690
Rated uninterrupted current = rated operational current	$I_u = I_e$	A	32 or current setting of the overcurrent release
Rated frequency		Hz	40 – 60
Current heat loss (3 pole at operating temperature)		W	6
Lifespan, mechanical	Operations	× 10 ⁶	> 0,1
Lifespan, electrical (AC–3 at 400 V)	Operations	× 10 ⁶	0,1
Maximum operating frequency			
Max. operating frequency		Ops/h	40
Short–circuit rating			
AC			
Short–circuit protection maximum fuse			Engineering
DC			
Short–circuit rating		kA	60
Short–circuit rating			60 (up to PKZM0–16) 40 (PKZM0–20 to PKZM0–32)
Motor switching capacity			

AC-3 (up to 690 V)		A	32
DC-5 (up to 250 V)		A	25 (3 contacts in series)
Trip blocks			
Temperature compensation to IEC/EN 60947, VDE 0660		°C	–5...40
Operating range		°C	–25...55
Temperature compensation residual error for T > 40 °C		%/K	0.25
Setting range of overload releases		$\times I_u$	0,6 – 1
Short-circuit release fixed		$\times I_u$	14
Short-circuit release tolerance		%	± 20
Phase-failure sensitivity			IEC/EN 60947-4-1, VDE 0660 Part 102

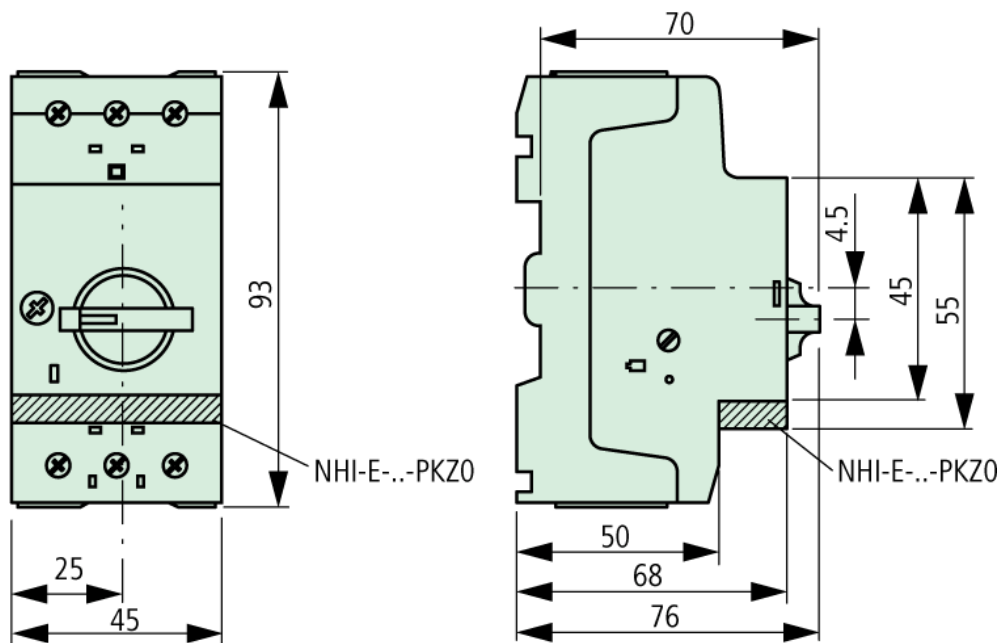
Mounting position



Mounting position

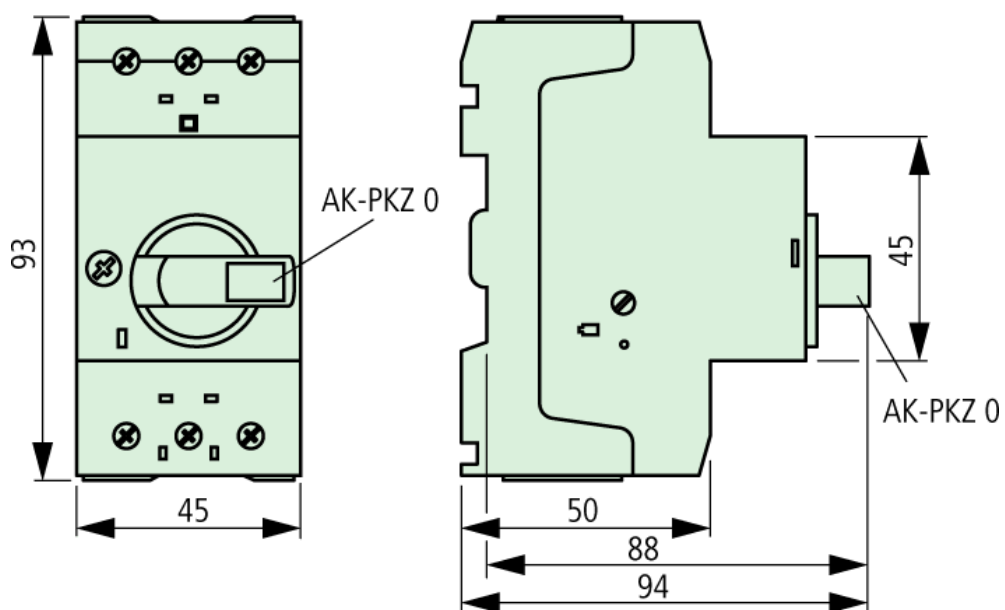


Dimensions



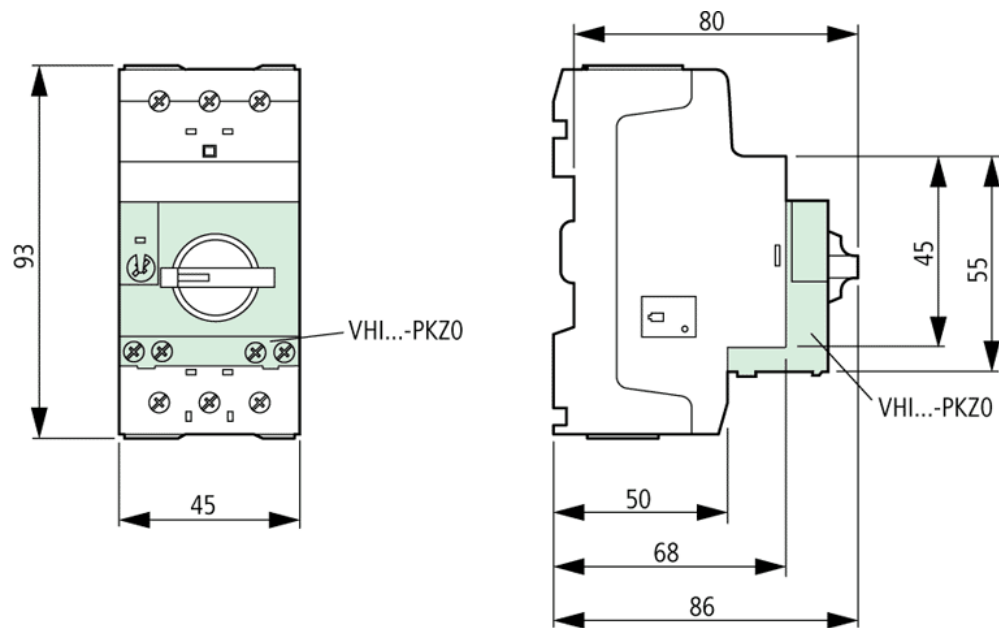
Motor-protective circuit-breaker with standard auxiliary contact
 PKZM0-...(+NHI-E-...-PKZ0)
 PKZM0-...-T(+NHI-E-...-PKZ0)
 PKM0-...(+NHI-E-...-PKZ0)

Dimensions



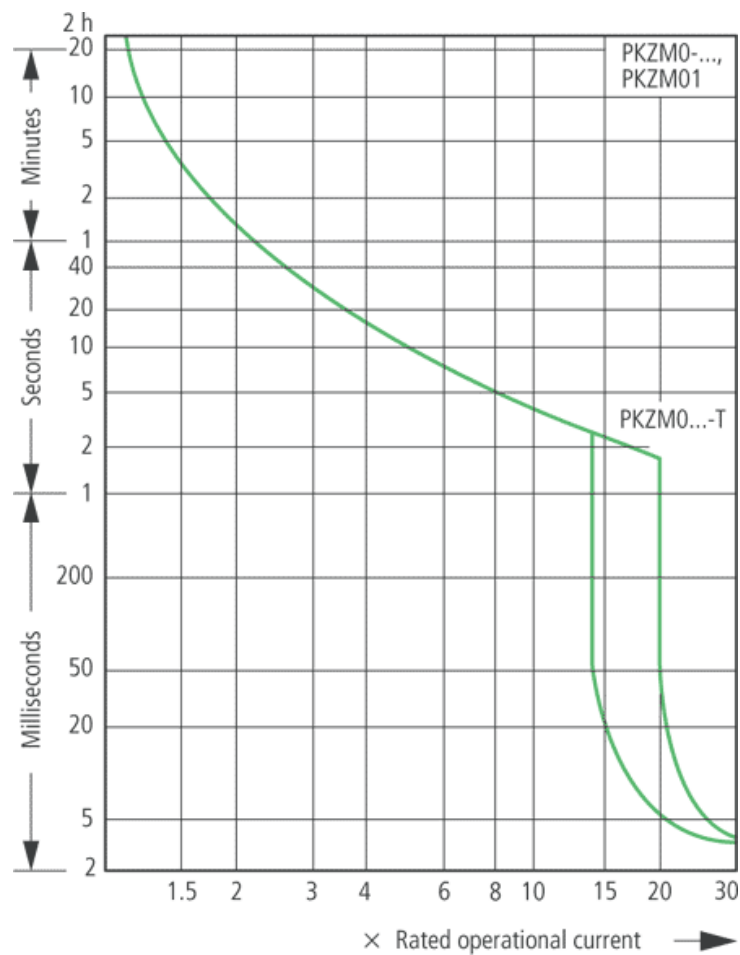
Motor-protective circuit-breakers with lockable rotary handles
 PKZM0-...+AK-PKZ0

Dimensions



Motor-protective circuit-breakers with early-make auxiliary contacts
 PKZM0-...+VHI-...-PKZ0

Characteristic curve



Motor-protective circuit-breaker tripping characteristic (high-capacity) compact starter, PKZM0-...T
(not for PKM0-...), PKZM01

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