



TRANSF. PROTECTION PKZM0-..T

Part no.

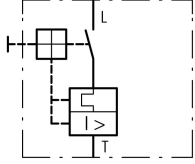
PKZM0-0,63-T

Article no.

088910



Delivery programme

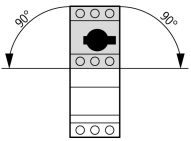
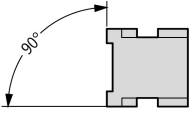
Product range			PKZM0...T transformer-protective circuit-breakers up to 25 A
Basic function			Transformer protection
Connection technique			Screw terminals
Contact sequence			
Rated uninterrupted current	I_u	A	0.63
Setting range			
Overload releases	I_r	A	0.4 - 0.63
Short-circuit releases			
max.	I_{rm}	A	12
Notes	For the protection of transformers with a high inrush current can be snap-fitted to IEC/EN 60715 top-hat rail with 7,5 or 15 mm height Phase failure sensitivity to IEC/EN 60947-4-1, VDE 0660 part 102.		

Approbationen

Specially designed for NA

No

General

Standards			IEC/EN 60947, VDE 0660
Climatic proofing			Damp heat, constant to IEC 60068-2-78 Damp heat, cyclic to IEC 60068-2-30
Ambient temperature		°C	
Storage		°C	- 25 - 80
Open		°C	- 25 - 55
Enclosed		°C	- 25 - 40
Mounting position			 
Direction of incoming supply			As required
Degree of protection			
Device			IP20
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		mm ²	
Solid		mm ²	1 x (1 - 6) 2 x (1 - 6)
Flexible with ferrule to DIN 46228		mm ²	1 x (1 - 6) 2 x (1 - 6)
Solid or stranded		AWG	18 - 10
Specified tightening torque for terminal screws			
Main cable		Nm	1.7

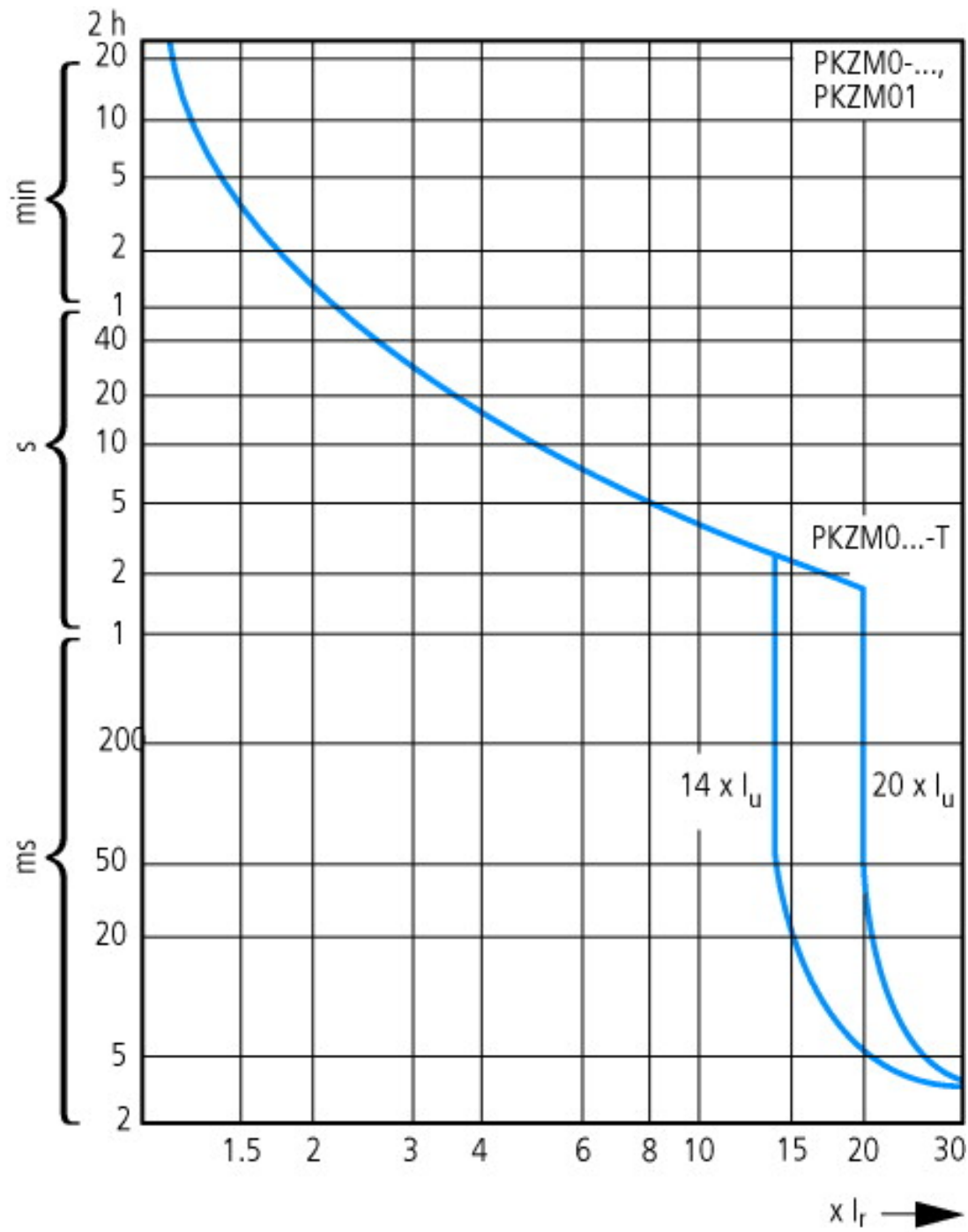
Control circuit cables		Nm	1
Main conducting paths			
Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated operational voltage	U_e	V AC	690
Rated uninterrupted current = rated operational current	$I_u = I_e$	A	25 or current setting of the overcurrent release
Rated frequency	f	Hz	40 - 60
Rated frequency		Hz	40 - 60
Current heat loss (3 pole at operating temperature)		W	6
Lifespan, mechanical	Operations	$\times 10^6$	0.1
Lifespan, electrical (AC-3 at 400 V)	Operations	$\times 10^6$	0.1
Maximum operating frequency		Ops./h	
Max. operating frequency		Ops/h	40
Short-circuit rating			
AC			
			→ Engineering
DC			
Short-circuit rating		kA	60
Short-circuit rating			60 (up to PKZM0-16) 40 (PKZM0-20 to PKZM0-32)
Motor switching capacity		kA_{rms}	
AC-3 (up to 690 V)		A	25
DC-5 (up to 250 V)		A	25 (3 contacts in series)

Trip blocks

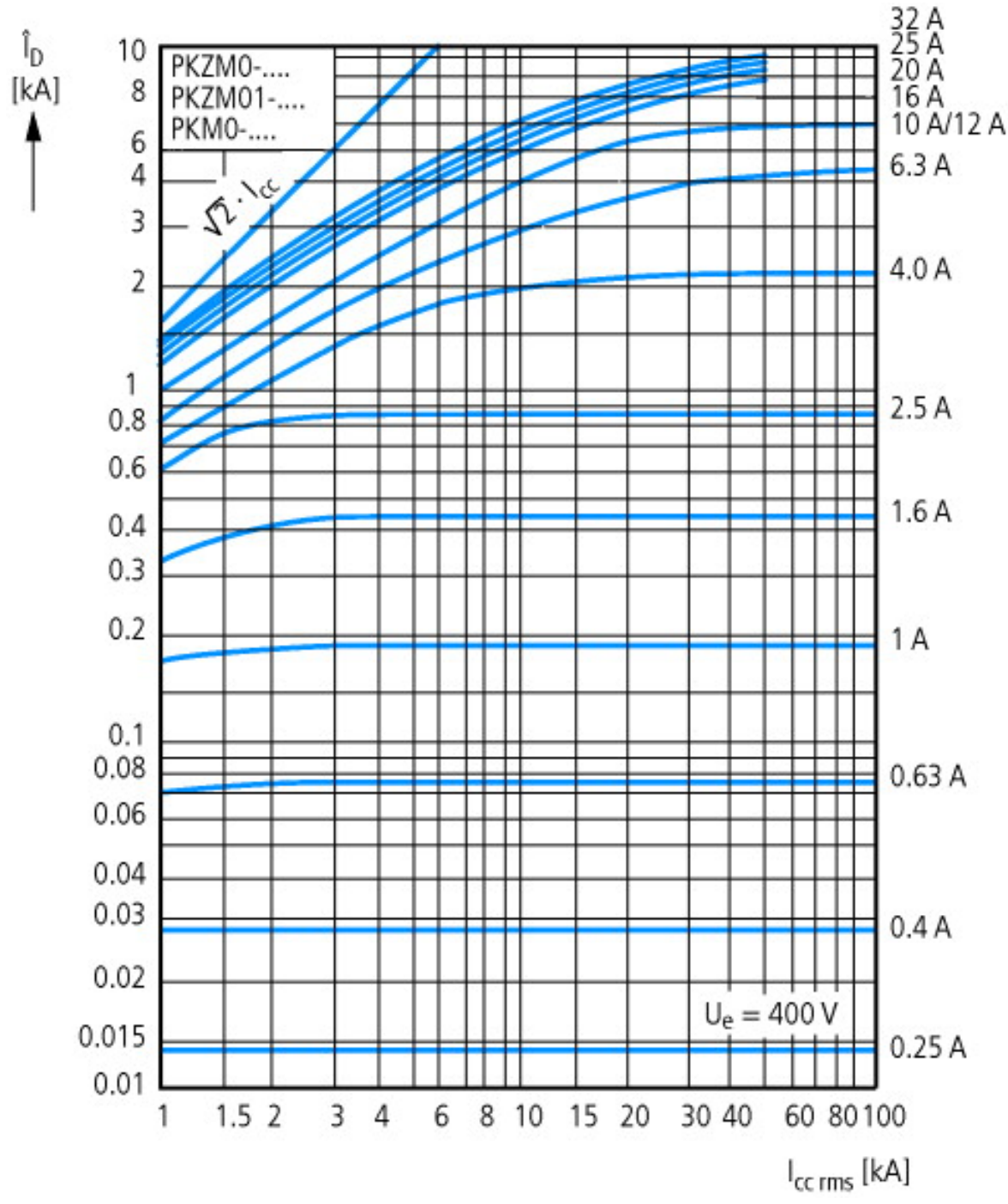
Temperature compensation			
to IEC/EN 60947, VDE 0660		°C	- 5 ... 40
Operating range		°C	- 25 ... 55
Temperature compensation residual error for $T > 40$ °C			$\leq 0.25\%/K$
Setting range of overload releases		$\times I_u$	0.6 - 1
Short-circuit release fixed		$\times I_u$	20
Fixed short-circuit release			Basic device $20 \times I_u$
Short-circuit release tolerance			$\pm 20\%$
Phase-failure sensitivity			IEC/EN 60947-1-1, VDE 0660 Part 102

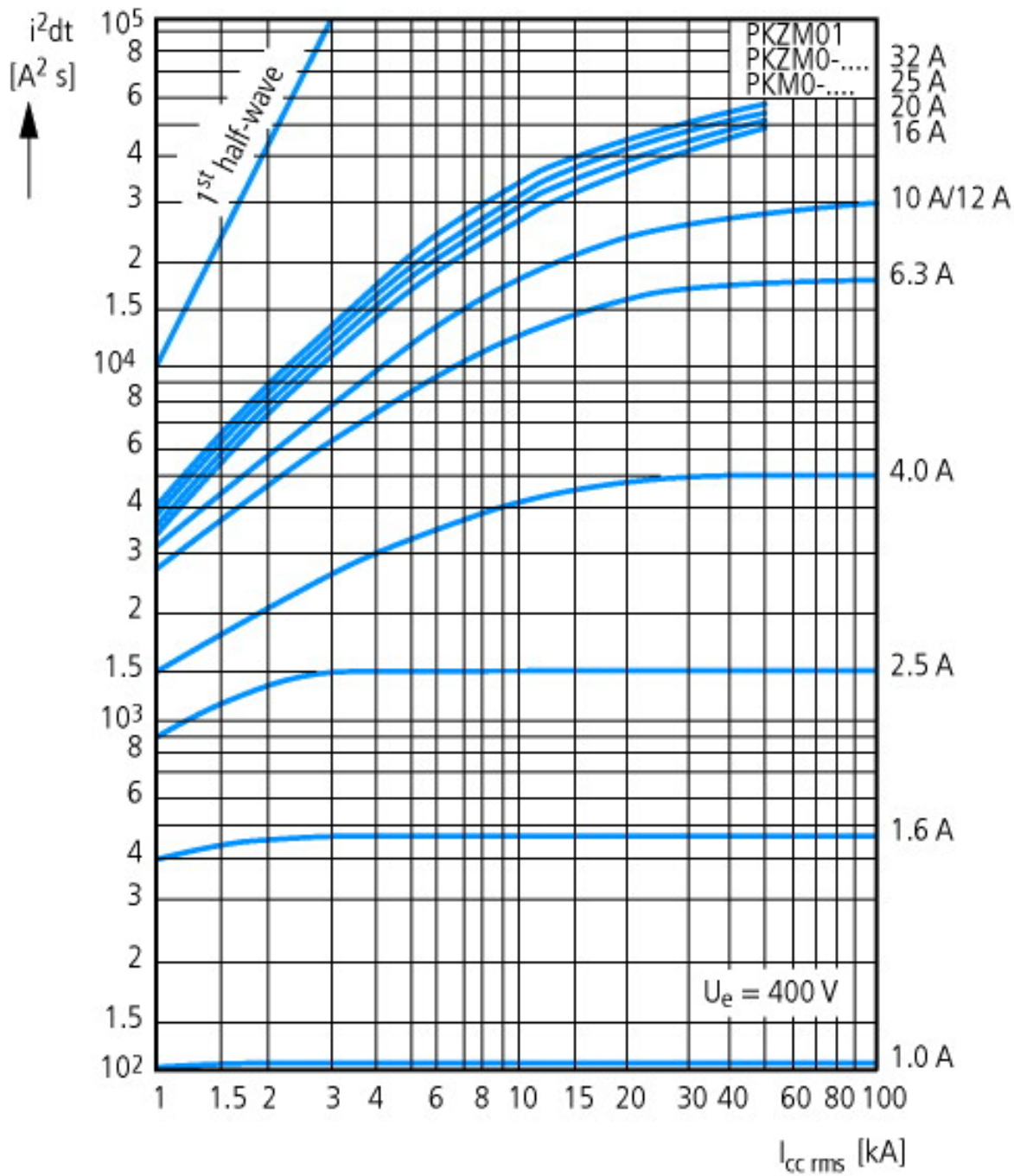
Technische Daten nach ETIM 4.0

Number of poles			3
Rated uninterrupted current I_u		A	0.63
Number of auxiliary contacts as N/Cs			0
Number of auxiliary contacts as N/Os			0
Device construction			-
With under voltage release			No
Motor operator optional			No
Integrated earth fault protection			No
Suitable for DIN rail (top hat rail) mounting			YES
Setting range non-delayed short-circuit release		A	12
Setting range short-term delayed short-circuit release		A	0
Rated short-circuit breaking capacity I_{cu} at 400 V, 50 Hz		kA	150
Switched-off indicator available			YES
Type of control element			Rotary head
Connection type main current circuit			Screw connection
Motor operator integrated			YES
Position of connection for main circuit			-
Protection type (IP)			IP20
Number of auxiliary contacts as changeover contact			0
Setting range of overload releases		A	0.63



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





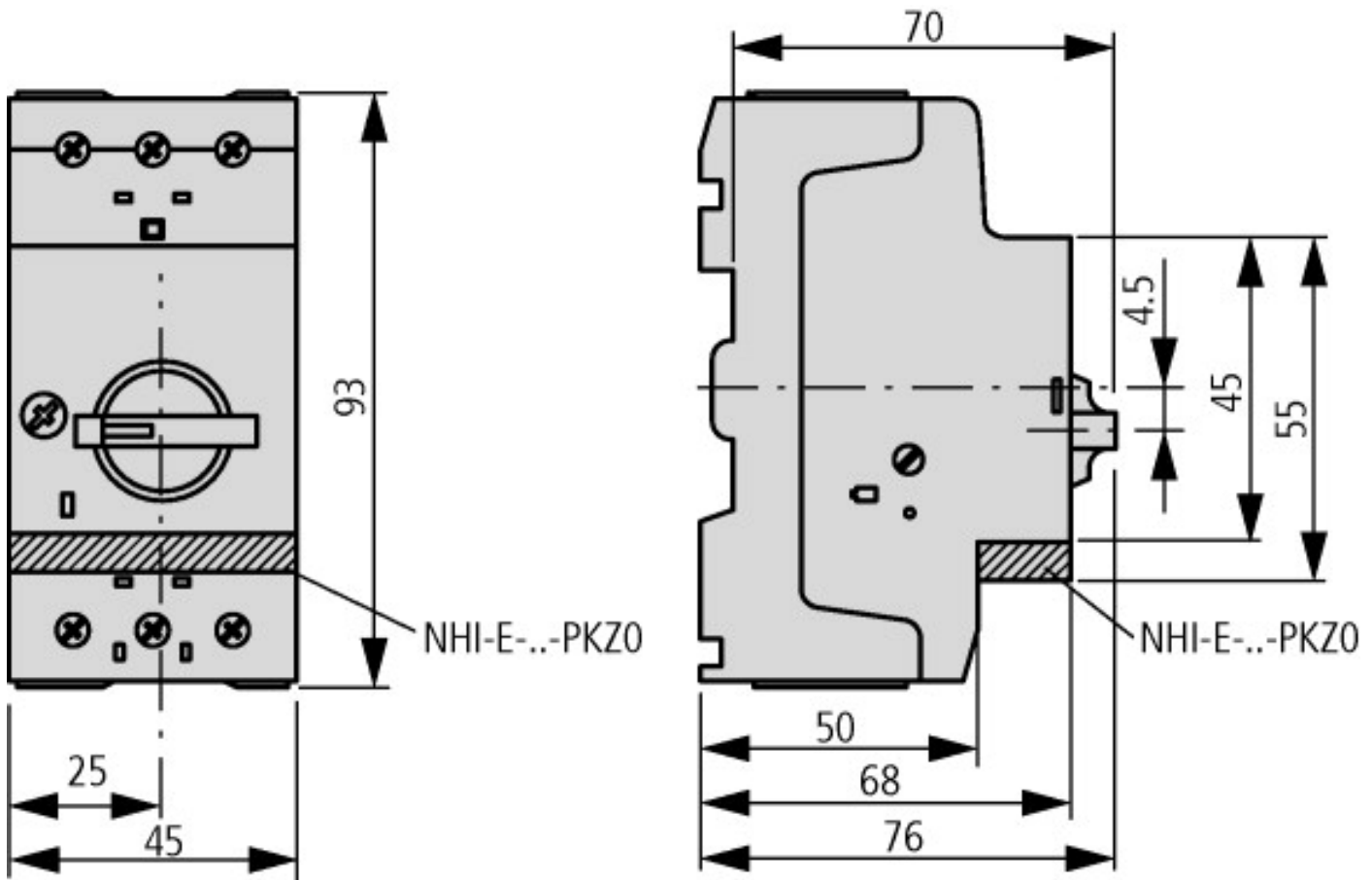
Let-through characteristics

CAD-Daten

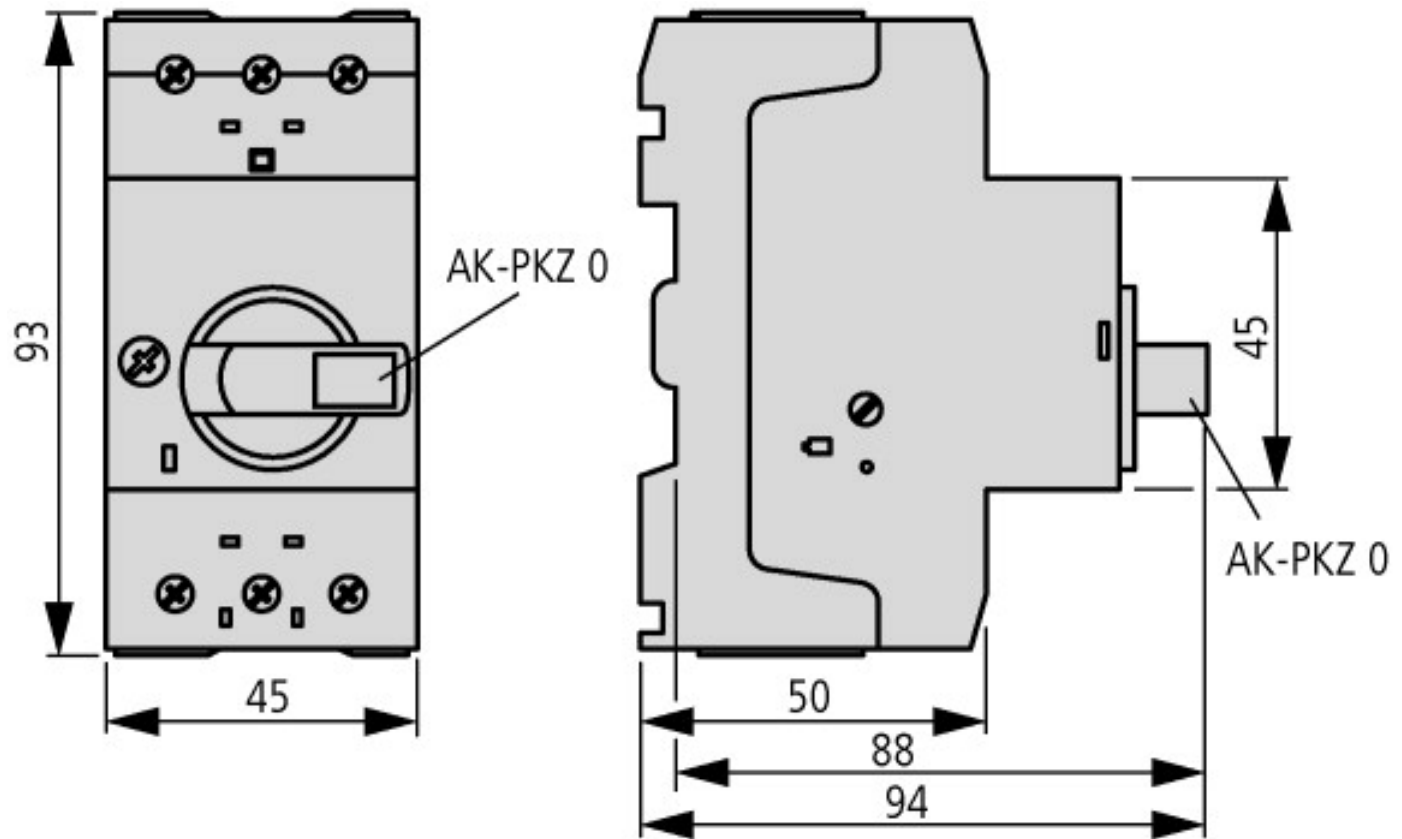
Product standards CAD data:

<http://eaton-moeller.partcommunity.com>

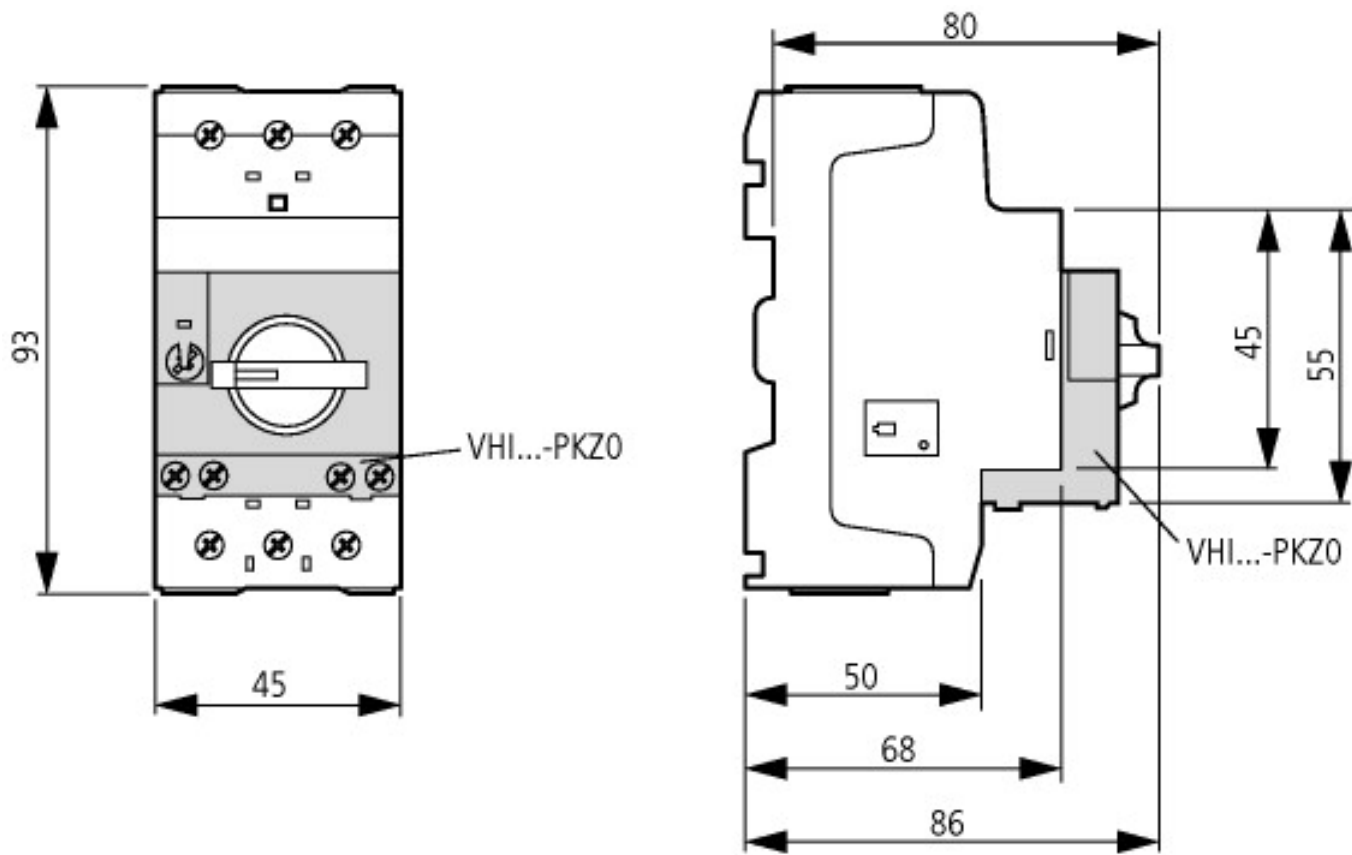
Dimensions



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



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



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

Additional product information (links)

IL03407010Z (AWA1210-2138) motor-protective circuit-breakers

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407010Z2010_08.pdf

IL03407011Z (AWA1210-1925) motor-protective circuit-breaker

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407011Z2010_08.pdf