



## Auxiliary contact, operates as an early-make contact, 2N/O early

**Part no.** VHI20-PKZ0  
**Catalog No.** 203595  
**Alternate Catalog No.** XTPAXFAEM20  
**EL-Nummer (Norway)** 0004315166

Powering Business Worldwide™

## Delivery program

Product range	Accessories
Accessories	Auxiliary contacts, early-make
<b>Contacts</b>	For the premature voltage application of the U-release, e.g. in EMERGENCY STOP circuits according to EN 60204.
N/O = Normally open	2 N/O
Contact sequence	
For use with	PKZ0(4) early-make auxiliary contacts
For use with	PKZM0 PKZM0-T PKM0 PKZM4
<b>Notes</b>	Can be fitted to the front of: Motor protective circuit-breaker Cannot be combined with: PKZ0-X(R)H(-M).MSC-... and PKZM0-X...M12

## Technical data

## Auxiliary contacts

Rated impulse withstand voltage	U <sub>imp</sub>	V AC	4000
Oversupply category/pollution degree			III/3
Rated operational voltage	U <sub>e</sub>	V	
	U <sub>e</sub>	V AC	440
	U <sub>e</sub>	V DC	250
Safe isolation to EN 61140			
Between auxiliary contacts and main contacts		V AC	690
Rated operational current	I <sub>e</sub>	A	
AC-15			
220 - 240 V	I <sub>e</sub>	A	1
DC-13 L/R - 100 ms			
24 V	I <sub>e</sub>	A	2
Lifespan		S	
Lifespan, mechanical	Operations	$\times 10^6$	> 0.1
Lifespan, electrical	Operations	$\times 10^6$	0.1
Control circuit reliability	Failure rate	$\lambda$	<10 <sup>-8</sup> , < one failure at 100 million operations (at U <sub>e</sub> = 24 V DC, U <sub>min</sub> = 17 V, I <sub>min</sub> = 5.4 mA)
Short-circuit rating without welding			
Fuse		A gG/gL	10

## Terminal capacities

Solid or flexible conductor, with ferrule	mm <sup>2</sup>	0,75 - 1,5
Solid or stranded	AWG	18 - 16

## Rating data for approved types

Pilot Duty		
AC operated		E150
General Use		

AC	V	300
AC	A	0.5

## Design verification as per IEC/EN 61439

Technical data for design verification		
Rated operational current for specified heat dissipation	$I_n$	A 1
Heat dissipation per pole, current-dependent	$P_{vid}$	W 0.03
Equipment heat dissipation, current-dependent	$P_{vid}$	W 0
Static heat dissipation, non-current-dependent	$P_{vs}$	W 0
Heat dissipation capacity	$P_{diss}$	W 0
Operating ambient temperature min.		°C -25
Operating ambient temperature max.		°C 55
IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Meets the product standard's requirements.
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES		Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances		Meets the product standard's requirements.
10.5 Protection against electric shock		Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components		Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections		Is the panel builder's responsibility.
10.8 Connections for external conductors		Is the panel builder's responsibility.
10.9 Insulation properties		
10.9.2 Power-frequency electric strength		Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material		Is the panel builder's responsibility.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

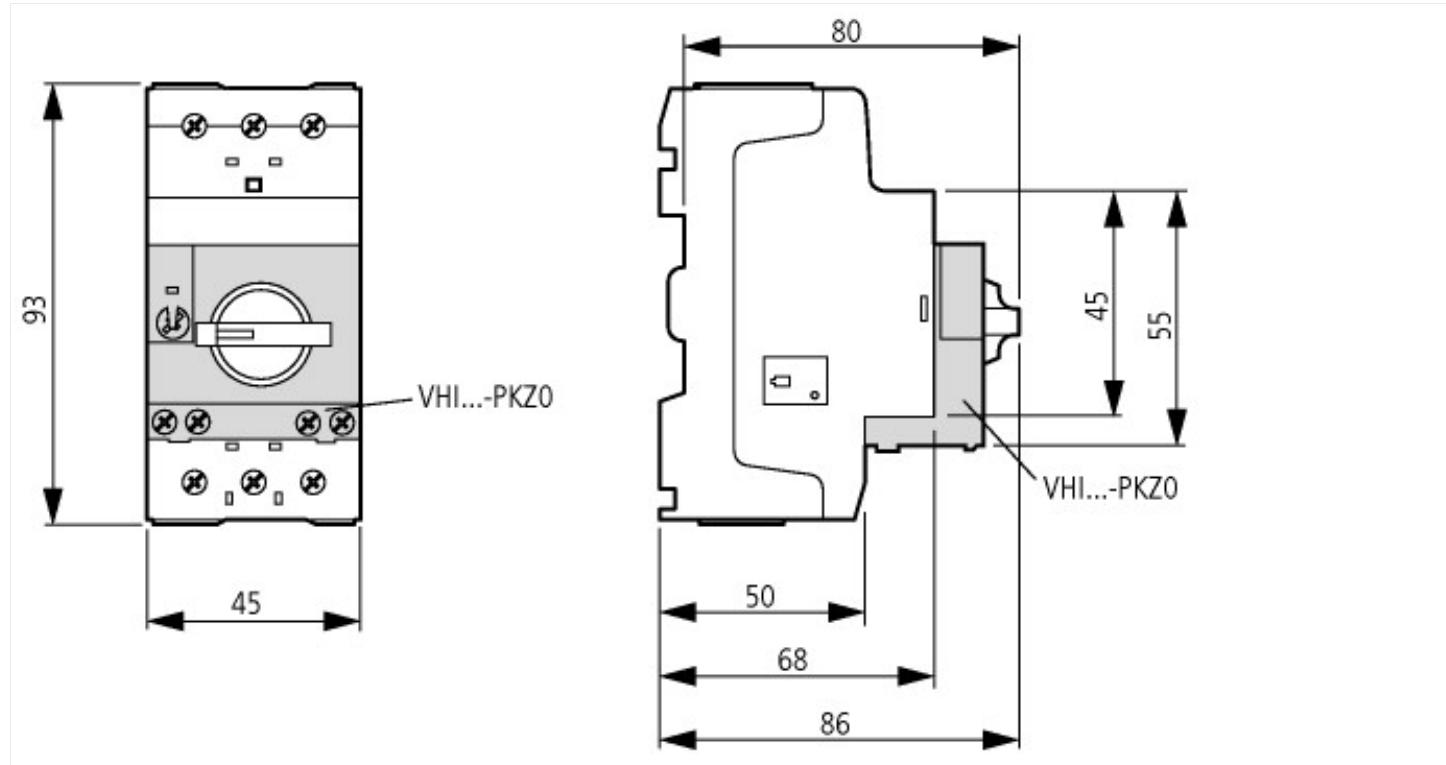
## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)	
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss10.0.1-27-37-13-02 [AKN342013])	
Number of contacts as change-over contact	0
Number of contacts as normally open contact	2
Number of contacts as normally closed contact	0
Number of fault-signal switches	0
Rated operation current $I_e$ at AC-15, 230 V	A 1
Type of electric connection	Screw connection
Model	Top mounting
Mounting method	Front fastening
Lamp holder	None

## Approvals

Product Standards	UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking
UL File No.	E36332
UL Category Control No.	NLRV
CSA File No.	165628
CSA Class No.	3211-05
North America Certification	UL listed, CSA certified
Specially designed for North America	No

## Dimensions



## Assets (links)

### Declaration of CE Conformity

00002871

### Instruction Leaflets

IL03402033Z2018\_05