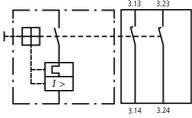




Auxiliary contact, operates as an early-make contact, 2N/O early

**Part no.** VH120-PKZ01  
**Catalog No.** 278495  
**Alternate Catalog No.** XTPBXFAEM20  
**EL-Nummer (Norway)** 4365078

### Delivery program

Product range		Accessories
Accessories		Auxiliary contacts, early-make
		For the premature voltage application of the U-release, e.g. in EMERGENCY STOP circuits according to EN 60204.
<b>Contacts</b>		
N/O = Normally open		2 N/O
Contact sequence		
For use with		PKZ01 early-make auxiliary contacts
For use with		PKZM01
<b>Notes</b> Can be fitted to the front of: Motor protective circuit-breaker		

### Technical data

#### Auxiliary contacts

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

#### Terminal capacities

Solid or flexible conductor, with ferrule	$mm^2$	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

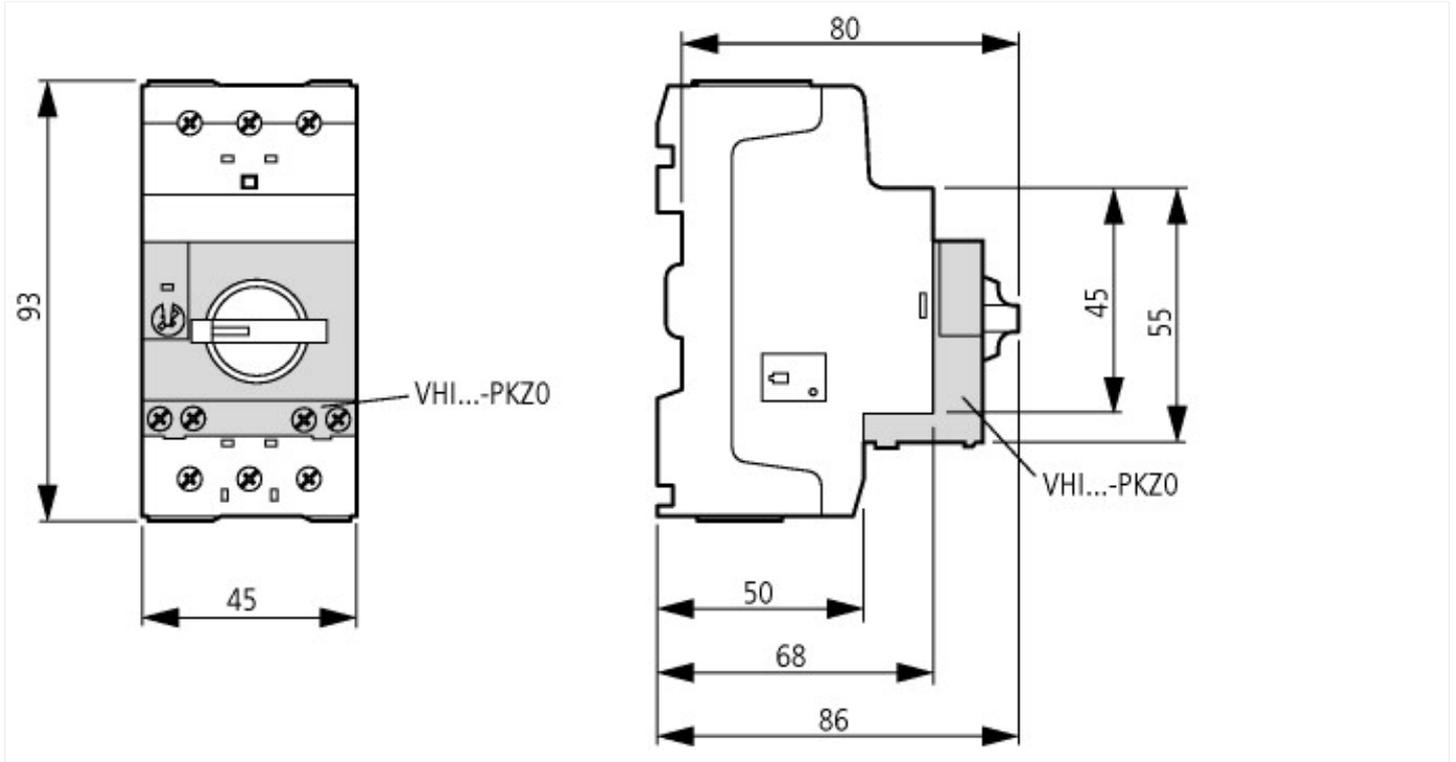
Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ec@ss10.0.1-27-37-13-02 [AKN342013])			
Number 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

00002876

### Instruction Leaflets

IL03402004Z2018\_06