# **DATASHEET - CI-PKZ0-GRM**



Insulated enclosure, IP55\_x, rotary handle red yellow, for PKZ0

CI-PKZO-GRM 260104 **XTPAXENCS55RY** Alternate Catalog



#### **Delivery program**

Product range	Accessories
Subrange	Surface mounting enclosures
Accessories	Insulated enclosures for PKZ
	with red-yellow rotary knob, for use as EMERGENCY STOP switch in accordance with EN 60204
Degree of Protection	IP55
For use with	PKZM0 +NHI-E +NHI or U or A +L-PKZ0 (2 off)

Notes With integrated PE(N) terminal. In each case 2 metric M25 cable entry knockouts with thread top and bottom. 2 metric M20 cable entry knockouts in the rear wall. Hard mirror with cable entry knockouts which can be cut out.

Part no.

No.

Catalog No.

# **Design verification as per IEC/EN 61439**

Tachnical data for design verification     Image: Test space of the space	Design vernication as per illo/liv 01455			
Heat dissipation per pole, current-dependent     Puid     W       Equipment heat dissipation, current-dependent     Puid     W     0       Static heat dissipation, current-dependent     Puis     W     0       Heat dissipation capacity     Puiss     W     0       Operating ambient temperature min.     *C     -5     -5       Operating ambient temperature max.     *C     -2     -2       102.2 Strength of materials and parts     *C     -2     -2       102.2 Corresion resistance     Instanterials to alparts     Meets the product standard's requirements.       102.3.2 Verification of thermal stability of enclosures     Meets the product standard's requirements.       102.3.2 Verification or resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       102.3.2 Verification or distance of insulating materials to abnormal heat     Passe enquire     Deso not apply, since the entire switchgear needs to be evaluated.       102.3.2 Verification or distance of insulation materials to abnormal heat     Passe enquire     Deso not apply, since the entire switchgear needs to be evaluated.       102.3 Despines     Intervieworthing devices and components     Deso not apply, since the entire switchgear needs to be evaluated.	Technical data for design verification			
Equipment heat dissipation, current-dependent     Pois     W       Static heat dissipation, current-dependent     Pois     W     0       Itel dissipation capacity     Paiss     W     0       Operating ambient temperature min.     °C     -25       Operating ambient temperature max.     °C     70       Itel/EV 61438 design verification     ************************************	Rated operational current for specified heat dissipation	In	А	0
Note     Note     Note       Static heat dissipation, non-current-dependent     Poice     W     0       Deprating ambient temperature min.     CC     25       Operating ambient temperature max.     CC     70       102.5 KP 51439 design verification     F     F     70       102.5 Consion resistance     F     70     F       102.2 Corrosion resistance of insulating materials to normal heat     F     F     F       102.2 Strength of materials and parts     Meets the product standard's requirements.     Meets the product standard's requirements.       102.3 Strength of netresistance of insulating materials to abnormal heat     Meets the product standard's requirements.     Meets the product standard's requirements.       102.4 Resistance to ultra-violat (UV) radiation     F     F     F     F       102.5 Uning     Does not apply, since the entire switchgear needs to be evaluated.     Does not apply, since the entire switchgear needs to be evaluated.       102.4 Resistance to ultra-violat (UV) radiation     F     Does not apply, since the entire switchgear needs to be evaluated.       102.5 Protection against electric shock     F     Does not apply, since the entire switchgear needs to be evaluated.	Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Heat dissipation capacity     Paiss     W     10       Operating ambient temperature min.     °C     25       Operating ambient temperature max.     °C     70       102.2 Strength of materials and parts     °C     70       102.2 Corrosion resistance     Feets the product standard's requirements.     70       102.3.2 Verification of tresistance of insulating materials to abnormal heat     Feets the product standard's requirements.       102.3.2 Verification of resistance of insulating materials to abnormal heat     Feets the product standard's requirements.       102.3.2 Verification of resistance of insulating materials to abnormal heat     Feets the product standard's requirements.       102.3.2 Verification of resistance of insulating materials to abnormal heat     Feets the product standard's requirements.       102.2.3 Verification of resistance of insulating materials to abnormal heat     Feets the product standard's requirements.       102.2 A Resistance to ultra-violet (UV) radiation     Feets the product standard's requirements.       102.3 Portection against electric strength     Feets the product standard's requirements.       102.3 Degree of protection of ASSEMBLIES     Feets the product standard's requirements.       103.0 Encorporation of switching devices and components     Feets the product standard's requirements. <t< td=""><td>Equipment heat dissipation, current-dependent</td><td>P<sub>vid</sub></td><td>W</td><td>0</td></t<>	Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Operating ambient temperature min.     C     -25       Operating ambient temperature max.     C     70       162.25 Left 433 design verification     C     70       162.25 Corosion resistance     Meets the product standard's requirements.       102.25 Corosion resistance of insulating materials to normal heat     Meets the product standard's requirements.       102.32.2 Verification of resistance of insulating materials to normal heat     Meets the product standard's requirements.       102.32.2 Verification of resistance of insulating materials to normal heat     Meets the product standard's requirements.       102.32.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       102.32.5 Lifting     Dees not apply, since the entire switchgear needs to be evaluated.       102.5 Mechanical impact     Dees not apply, since the entire switchgear needs to be evaluated.       102.5 Protection of ASSEMBLIES     Dees not apply, since the entire switchgear needs to be evaluated.       104.2 Foreacces and creapse distances     Meets the product standard's requirements.       105.2 Fortection of ASSEMBLIES     Dees not apply, since the entire switchgear needs to be evaluated.       104.5 Fortection of switching devices and components     Dees not apply, since the entire switchgear needs to be evaluated.       1	Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Operating ambient temperature max.     C     70       IEC/EN 61439 design verification     FC     70       ID2 Strength of materials and parts     Meets the product standard's requirements.       ID2.21 Verification of thermal stability of enclosures     Meets the product standard's requirements.       ID2.32 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects     Meets the product standard's requirements.       ID2.32 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects     Meets the product standard's requirements.       ID2.34 Resistance to ultra-violet (UV) radiation     Meets the product standard's requirements.       ID2.54 Mechanical impact     Please enquire       ID2.54 Mechanical impact     Meets the product standard's requirements.       ID2.54 Mechanical impact     Meets the product standard's requirements.       ID2.54 Mechanical impact     Meets the product standard's requirements.       ID3.05 Operation of ASSEMBLIES     Meets the product standard's requirements.       ID4.64 carances and creepage distances     Meets the product standard's requirements.       ID4.75 Intervision     Meets the product standard's requirements.       ID4.64 carances and creepage distances     Meets the product standard's requirements.	Heat dissipation capacity	P <sub>diss</sub>	W	10
Circles Net 32 design verification     Amount of the second seco	Operating ambient temperature min.		°C	-25
102 Strength of materials and parts   Meets the product standard's requirements.     102.21 Corrosion resistance   Meets the product standard's requirements.     102.31 Verification of thermal stability of enclosures   Meets the product standard's requirements.     102.32 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     102.33 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     102.44 Resistance to ultra-violet (UV) radiation   Please enquire     102.51 Lifting   Dees not apply, since the entire switchgear needs to be evaluated.     102.25 Lifting   Dees not apply, since the entire switchgear needs to be evaluated.     102.51 Norropitions   Meets the product standard's requirements.     103.0 Begree of protection of ASSEMBLIES   Dees not apply, since the entire switchgear needs to be evaluated.     104.5 Protection against electric shock   Dees not apply, since the entire switchgear needs to be evaluated.     104.6 Incorporation of switching devices and components   Dees not apply, since the entire switchgear needs to be evaluated.     104.7 Internal electric inductors   Is the panel builder's responsibility.     105.8 Connections for external conductors   Is the panel builder's responsibility.     105.9 Protection against electric strength   Is t	Operating ambient temperature max.		°C	70
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10.8 Connections for external conductors   Image: Contend of the panel builder's responsibility.     10.9 Insulation properties   Image: Contend of the panel builder's responsibility.     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 responsibility.	10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.9 Insulation properties   Image: Constraint of the panel builder's responsibility.     10.9.2 Power-frequency electric strength   Image: Constraint of 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   Image: Constraint of the panel builder's responsibility.     10.10 Temperature rise   Image: Constraint of the temperature rise calculation. Eaton will	10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
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10.10 Temperature rise   The panel builder is responsible for the temperature rise calculation. Eaton will	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			

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**

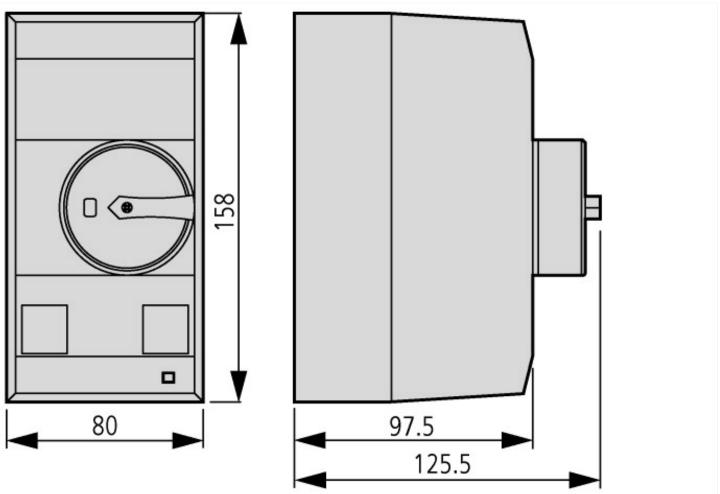
Low-voltage industrial components (EG000017) / Empty enclosure for switchgear (EC000712)

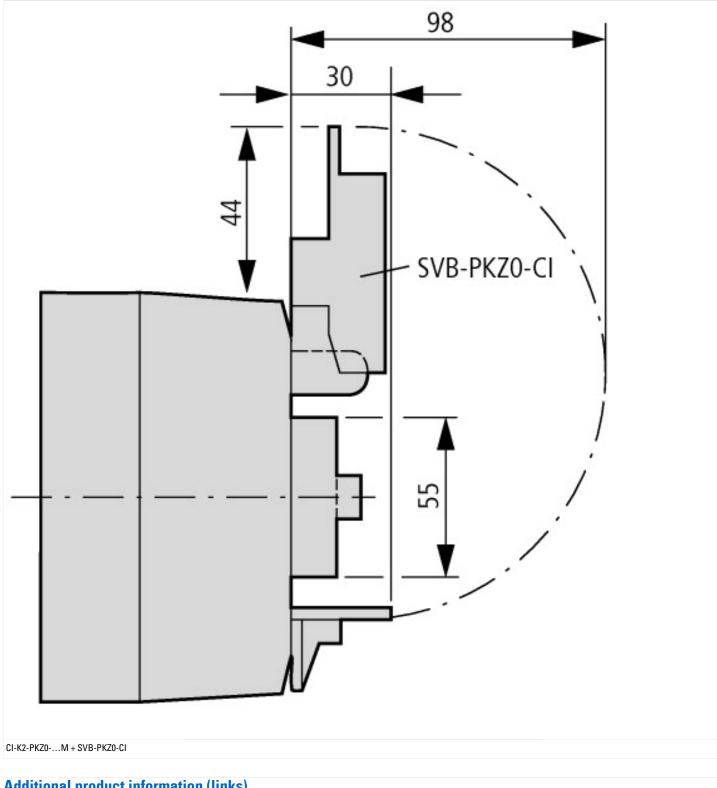
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Empty housing for switch devices (ecl@ss10.0.1-27-37-13-01 [AKN343014])						
Material housing			Plastic			
Width		mm	80			
Height		mm	160			
Depth		mm	97			
With transparent cover			No			
Suitable for emergency stop			Yes			
Model			Surface mounting			
Degree of protection (IP)			IP55			
Degree of protection (NEMA)			Other			

# **Approvals**

Specially designed for North America No

# Dimensions





# Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market

Busbar Component Adapters for modern Industrial control panels

http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct\_3258146.pdf http://www.moeller.net/binary/ver\_techpapers/ver960en.pdf