### **DATASHEET - M22-XAM**



#### Buzzer BA9s.18-30V DC, continuous tone

Part no. M22-XAM Catalog No. 229025 Alternate Catalog M22-XAMQ

No

**EL-Nummer** 4355771

(Norway)



## **Delivery program**

Product range	Accessories
rroductrange	Accessures
Basic function accessories	Buzzer for acoustic device
Single unit/Complete unit	Single unit
Description	83 dB/10 cm, 18 - 30 mA, positive pole at X1, f = 2300 Hz
Function	Continuous tone, 18 - 30 V DC
Type of tone	Continuous tone
For use with	BA9s base
Connection to SmartWire-DT	no

## **Technical data**

G	en	era	ı

delleral			
Ambient temperature			
Open	°C	-25 - +70	
shipping classification		DNV GL LR	
		<del>L</del> A	Lloyd's Register
		<b>DIV</b> Germaniso	TYPE APPROVED

# Design verification as per IEC/EN 61439

Rated operational current for specified heat dissipation In A 0  Heat dissipation per pole, current-dependent Pvid W 0  Equipment heat dissipation, current-dependent Pvid W 0  Static heat dissipation, non-current-dependent Pvs W 0.4  Heat dissipation capacity Pdiss W 0  Operating ambient temperature min. °C -25  Operating ambient temperature max. °C 70	•			
Heat dissipation per pole, current-dependent Pvid W 0 Static heat dissipation, current-dependent Pvid W 0 Static heat dissipation, non-current-dependent Pvid W 0.4  Heat dissipation capacity Pdiss W 0.4  Heat dissipation capacity Pdiss W 0.7  Operating ambient temperature min. Pvid W 0.4  Heat dissipation capacity Poerating ambient temperature min. Pvid W 0.4  Poerating ambient temperature max. Pvid V 0.4  Poerating ambient temperature max. Peculous temperature max. Peculous standard's requirements. Meets the product standard's requirements. Please enquire Please enquire Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Poerating vivial vivi	Technical data for design verification			
Equipment heat dissipation, current-dependent Pvid W 0.4  Heat dissipation capacity Pdiss W 0.4  Heat dissipation capacity Pdiss W 0.5  Operating ambient temperature min. Pc 2-25  Operating ambient temperature max.  **C 70  IEC/EN 61439 design verification  10.2 Strength of materials and parts 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects 10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of ASSEMBLIES  Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated.	Rated operational current for specified heat dissipation	In	Α	0
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Operating ambient temperature max.  Operating ambient temperature max.  **C 70  **EC/EN 61439 design verification  10.2 Strength of materials and parts  10.2.2 Corrosion resistance  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.	Heat dissipation capacity	P <sub>diss</sub>	W	0
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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.	10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.3 Degree of protection of ASSEMBLIES  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.
10.4 Clearances and creepage distances  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) / Acoustic indicator (EC001026) Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Acoustic alarm unit (ecl@ss10.0.1-27-37-12-14 [AKF032014]) Type of acoustic signal Continuous tone Loudness dB 83 ٧ 0 - 0 Operating voltage at AC 50 Hz Operating voltage at AC 60 Hz ٧ 0 - 0 ٧ 18 - 30 Operating voltage at DC Voltage type DC Voltage type DC

## **Approvals**

Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	012528
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified

### **Assets (links)**

**Declaration of CE Conformity** 00003256