

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

**Part no.** M22-XAM  
**229025**

**EL Number**  
**(Norway)** 4355771

General specifications		
Product name		Eaton Moeller® series M22 Accessory Acoustic indicator
Part no.		M22-XAM
EAN		4015082290252
Product Length/Depth		30 millimetre
Product height		10 millimetre
Product width		10 millimetre
Product weight		0.014 kilogram
Compliances		CE Marked
Certifications		CSA Std. C22.2 No. 14-05 IEC 60947-5 UL 508 EN 60947-5 CSA-C22.2 No. 14-05 CE CSA File No.: 012528 UL CSA UL Category Control No.: NKCR UL File No.: E29184 CSA Class No.: 3211-03 IEC/EN 60947-5
Product Tradename		M22
Product Type		Accessory
Product Sub Type		Acoustic indicator
Catalog Notes		Positive pin at X1 f = 2300 Hz
Features & Functions		
Alarm type		Continuous tone Continuous tone, 18 - 30 V DC
Loudness		83 dB
General information		
Degree of protection		NEMA Other
Voltage type		DC
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		70 °C
Electrical rating		
Rated operational voltage (Ue) at AC - max		0 V
Rated operational voltage (Ue) at AC - min		0 V
Rated operational voltage (Ue) at DC - max		30 V
Rated operational voltage (Ue) at DC - min		18 V
Communication		
Connection to SmartWire-DT		No
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		0 W
Heat dissipation per pole, current-dependent Pvid		0 W
Rated operational current for specified heat dissipation (In)		0 A
Static heat dissipation, non-current-dependent Pvs		0.4 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Please enquire
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.
10.9.2 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 8.0

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
Operating voltage at AC 50 Hz	V	0 - 0
Operating voltage at AC 60 Hz	V	0 - 0
Operating voltage at DC	V	18 - 30
Voltage type		DC
Degree of protection (NEMA)		Other