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safe-t PRODUCTS

Targeting Safety

SAFE-T-ALARM



Tested to IP66/69K
CE Conformity

IP RATED 66/69K

ADVANCED PRE-START WARNING FOR CONVEYOR BELT SYSTEMS

SAFETY FIRST WITH VISUAL AND AUDIBLE ALERTS

VISUAL AND AUDIBLE ALERTS

The Safe-T-Alarm provides a reliable pre-start warning with both visual and audible signals, ensuring maximum safety for personnel working around conveyor belt systems. Designed to thrive in the toughest industrial environments, it's a must-have for safety-conscious operations in mining, food, and other industries.

KEY FEATURES OF THE SAFE-T-ALARM:

1. **Engineered for Harsh Environments**
   - » Durable Enclosure: High-impact plastic (UV Stable, Impact Modified, Flame Retardant V0 PC/PBT) offers strong resistance to impact and environmental conditions, making it suitable for outdoor and industrial use.
   - » Built for Tough Applications: Ideal for mining, food, and industrial sectors, the Safe-T-Alarm performs exceptionally in the harshest settings.
2. **Audible Warning with ESM Panel Mount Alarm**
   High Sound Pressure: Up to 100 dB(A), adjustable to suit your environment.
   - » Tone Options: Choose between 2 tones, steady or pulsing, which can be externally switched.
   - » IP 65 Protection: Withstands challenging conditions while ensuring long-lasting reliability.
   - » Compact Design: Fits Ø 22.5 mm/M22 panel sizes with an optional adapter for M30.5 mm.
3. **Visual Warning with IBM Panel Mount LED Beacon**
   - » Modern LED Technology: 9 LEDs provide a clear signalling effect with steady or flashing light options.
   - » Strobe/Flash Frequency: 2 Hz with a 100% duty cycle, ensuring continuous operation.
   - » Extended Service Life: LED light source rated for 100,000 hours of operation.
   - » IP 65 Protection: Reliable performance even in rugged environments. Prewired models with IP 67 available on request.
4. **Laser Engraved Identification Tag**
   - » Each Safe-T-Alarm device includes a customisable laser-engraved identification tag for easy equipment tracking and management.

FOR MORE INFORMATION

www.safe-t-products.com.au

AUSTRALIAN Designed & Manufactured

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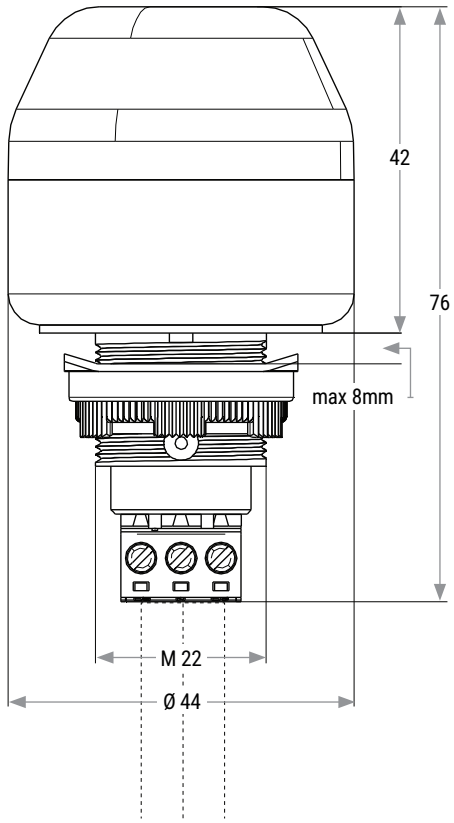
IBM M22 PANEL MOUNT LED STEADY/FLASHING BEACON

TECHNICAL DATA

HOUSING	Ø 45 mm, Polycarbonate black (RAL 9005) or grey (RAL 7035)
LENS	Polycarbonate, ribbed inside orange, red, clear, blue, green or yellow
TYPE OF MOUNTING	Any
PANEL SIZE	22x1,25 mm (M22) and 30.5 mm (with adapter), mounting depth 34 mm
CONNECTION TECHNOLOGY	Screw/plug-in terminal 2,5 mm²
LEAKAGE CURRENT	0,003 A (PLC-suitable)
BEACON TYPE	LED steady beacon or LED flashing beacon
LIGHT SOURCE	9 LEDs
STROBE/FLASH FREQUENCY	2 Hz
DUTY CYCLE	100 %
SERVICE LIFE	Light source: 100.000 h
OPERATING TEMPERATURE	-25°C/+60°C
DEGREE OF PROTECTION	IP65 & UL Type 4/4x/13
WEIGHT	55 g

ORDER DATA

LENS COLOUR		NORMAL VOLTAGE	VOLTAGE RANGE (V)	NOMINAL CURRENT (A)
RED	S1	12 V AC/DC	+/-10%	0,062
	S2	24 V AC/DC	+/-10%	0,037
	S3	110-120 V AC	+/-10%	0,030
	S4	230-240 V AC	+/-10%	0,030
AMBER	S5	12 V AC/DC	+/-10%	0,062
	S6	24 V AC/DC	+/-10%	0,037
	S7	110-120 V AC	+/-10%	0,030
	S8	230-240 V AC	+/-10%	0,030



ESM PANEL MOUNT ALARM

TECHNICAL DATA

HOUSING	Ø 45 mm, Polycarbonate black (RAL 9005) or grey (RAL 7035)
TYPE OF MOUNTING	Any
PANEL SIZE	22 mm (M22) and 30.5 mm (with adapter)
CONNECTION TECHNOLOGY	plug-in screw terminal bis 2,5 mm²
LEAKAGE CURRENT	0,003 A
TONE	2 Tones, 2 Tones can be switched externally, Steady tone or Pulsing tone
VOLUME	85-100 dB (can be adjusted with potentiometer)
TONE FREQUENCY	3.300 Hz
DUTY CYCLE	100 %
OPERATING TEMPERATURE	-25°C/+60°C
DEGREE OF PROTECTION	IP65 & UL Type 4/4x/13
WEIGHT	35 g

ORDER DATA

	NORMAL VOLTAGE	VOLTAGE RANGE (V)	NORMAL CURRENT (A)	MAINS FREQUENCY
A1	12-24 V AC/DC	8-24	0,019	50-60 Hz
A2	110-120 V AC	75-140	0,042	50-60 Hz
A3	230 V AC	150-260	0,040	50-60 Hz

TONE TABLE

TONE ON TERMINAL

La	N	Lb	
X	X		pulsing tone
X	X	X	continuous tone

DEVICE	MATERIAL	BEACON EXAMPLE	ALARM EXAMPLE
STA-	P-	S1-	A1

