



UE403-A0930

UE403 muting switching amplifier

PRODUCT PORTFOLIO

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
UE403-A0930	1026287

Other models and accessories → www.sick.de/UE403_muting_switching_amplifier



Detailed technical data

Safety-related parameters

Type	Type 4 (IEC 61496)
Safety integrity level	SIL3 (IEC 61508) SILCL3 (IEC 62061)
Category	Category 4 (EN ISO 13849)
Performance level	PL e (EN ISO 13849)
PFHd (mean probability of a dangerous failure per hour)	1.0×10^{-8} (EN ISO 13849) ¹⁾
T _M (mission time)	20 years (EN ISO 13849) ¹⁾

¹⁾ Only in conjunction with M4000 Advanced, M4000 Advanced A/P and M4000 Advanced Curtain.

Functions

Concurrence monitoring	✓
Monitoring of total muting time	✓
Sensor gap monitoring	✓
Belt stop	✓
Muting with override	✓
Exit monitoring	✓
End of muting by ESPE	✓

Interfaces

Connection type	Female connector M12, 5-pin
Permitted cable length	≤ 10 m
Diagnostic display	LEDs

Electrical data

Protection class	III (EN 50178)
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¹⁾ Via connected ESPE.

²⁾ Total of all supply currents from the connections RES/OVR, A1, A2, B1 and B2 (pin 1 in each case): max. 1000 mA.

³⁾ At max. 5 W power consumption.

Supply voltage V_S	24 V DC (19.2 V DC ... 28.8 V DC) ¹⁾
Power consumption	≤ 2 A
Inputs: override, reset, C1, belt stop, muting sensors	
Switching voltage HIGH	24 V DC (11 V DC ... 30 V DC)
Switching voltage LOW	0 V DC (-30 V DC ... 5 V DC)
Input current HIGH	6 mA ... 15 mA
Input current LOW	-0.5 mA ... 1.5 mA
Outputs: voltage supply for reset, override, C1	
Supply voltage	24 V DC (15 V DC ... 28.8 V DC)
Output current	≤ 400 mA ²⁾
Outputs: muting sensors	
Supply voltage	24 V DC (15 V DC ... 28.8 V DC)
Output current	≤ 500 mA ²⁾
Muting lamp	
Output current HIGH (monitored)	20 mA ... 400 mA ³⁾
Output current HIGH (not monitored)	0 mA ... 400 mA ³⁾

¹⁾ Via connected ESPE.

²⁾ Total of all supply currents from the connections RES/OVR, A1, A2, B1 and B2 (pin 1 in each case): max. 1000 mA.

³⁾ At max. 5 W power consumption.

Mechanical data

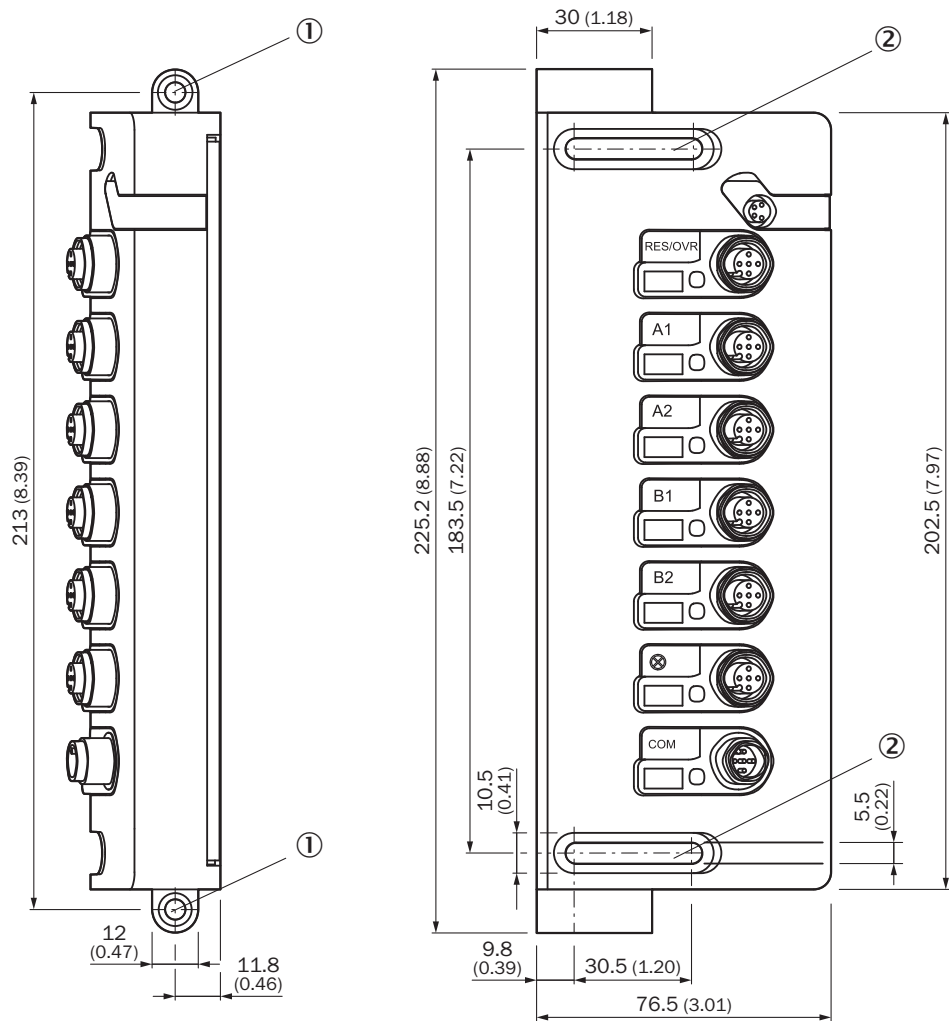
Assembly	Flexible mounting to the M4000 Advanced or directly in the system
Dimensions (W x H x D)	76.5 mm x 225.2 mm x 40 mm
Housing material	Aluminum die cast, powder coated
Material, connector strip	Polyamide
Weight	600 g

Ambient data

Enclosure rating	IP 65 (IEC 60529)
Ambient operating temperature	-30 °C ... +55 °C
Storage temperature	-30 °C ... +70 °C
Air humidity	15 % ... 95 %, Non-condensing
Vibration resistance	IEC 60068-2-6
Shock resistance	10 g, 16 ms (IEC 60068-2-29)

Dimensional drawing (dimensions in mm (inch))

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Note:
The fixing holes ① and slots ② are suitable for cheese head screws M5 x 30 as per DIN EN ISO 4762.

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