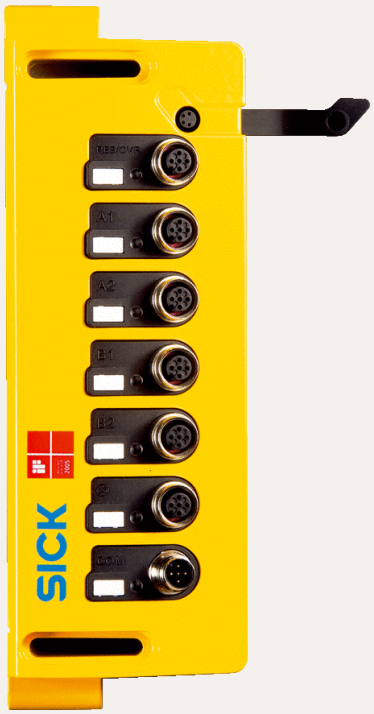
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DATA SHEET

UE403-A0930

UE403
System plugs and extension modules

SICK Sensor Intelligence



SYSTEM PLUGS AND EXTENSION MODULES

UE403-A0930

ORDERING INFORMATION

Type	part no.
UE403-A0930	1026287

Further device versions and accessories at www.sick.com/UE403

DETAILED TECHNICAL DATA

FEATURES

Application	Muting switching amplifier
Compatible sensor types	M4000 Advanced multiple light beam safety devices

SAFETY-RELATED PARAMETERS

Type	Type 4 (IEC 61496-1)
Safety integrity level	SIL 3 (IEC 61508)
Category	Category 4 (EN ISO 13849)
Performance level	PL e (EN ISO 13849)
PFH_D (mean probability of a dangerous failure per hour)	1.0×10^{-8} (EN ISO 13849) [1]
T_M (mission time)	18 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

ELECTRONICS

Protection class	III (IEC 61140)
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	
ON state, switching voltage HIGH	24 V DC (11 V DC ... 30 V DC)
OFF state, 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.

MECHANICS

Mounting	Flexible mounting on 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

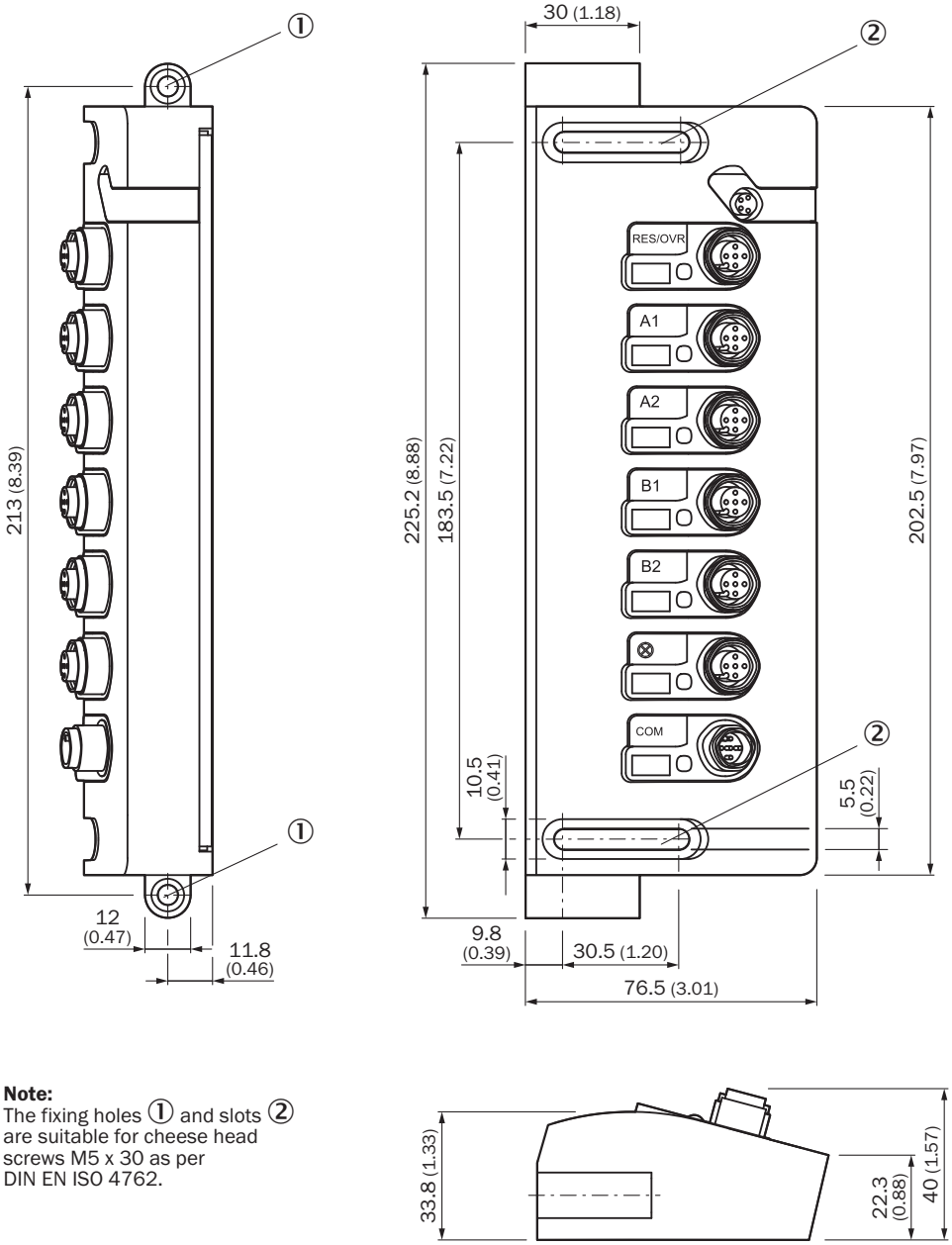
Enclosure rating	IP65 (IEC 60529)
Ambient operating temperature	–30 °C ... +55 °C
Storage temperature	–30 °C ... +70 °C
Air humidity	15 % ... 95 %, Non-condensing
Vibration resistance	5 g, 10 Hz ... 55 Hz (EN 60068-2-6)
Shock resistance	10 g, 16 ms (IEC 60068-2-29)

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
Moroccan declaration of conformity	✓
China RoHS	✓

ULus approval	✓
cUL approval	✓
EC-Type-Examination approval	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓

DIMENSIONAL DRAWING UE403 MUTING SWITCHING AMPLIFIER



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

Dimensions in mm (inch)

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1026287



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SICK AT A GLANCE

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SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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