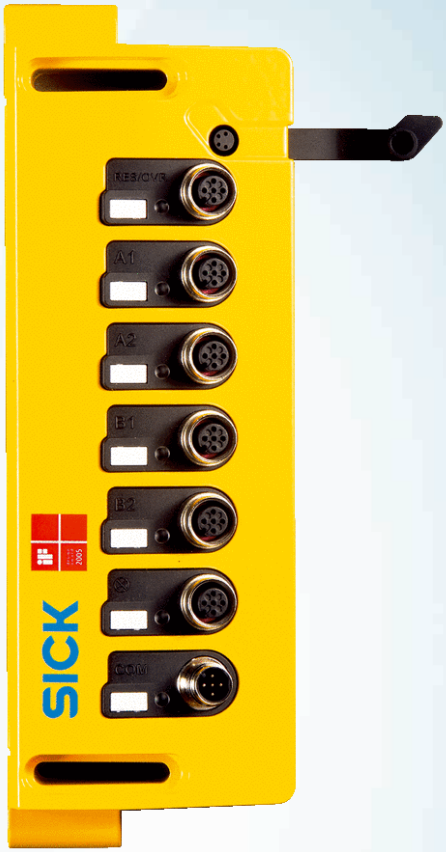
Online data sheet



UE403-A0930

UE403

SAFETY RELAYS

SICK
Sensor Intelligence.

Illustration may differ

Ordering information

Type	Part no.
UE403-A0930	1026287

Other models and accessories → www.sick.com/UE403

Detailed technical data

Safety-related parameters

Safety integrity level	SIL3 (IEC 61508) SILCL3 (EN 62061)
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)	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

Electrical data

Protection class	III (EN 50178)
Supply voltage V_S	24 V DC (19.2 V DC ... 28.8 V DC) [1]
Power consumption	≤ 2 A

[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.

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.

Mechanical data

Dimensions (W x H x D)	76.5 mm x 225.2 mm x 40 mm
Weight	+ 600 g
Mounting	Flexible mounting on the M4000 Advanced or directly in the system

Ambient data

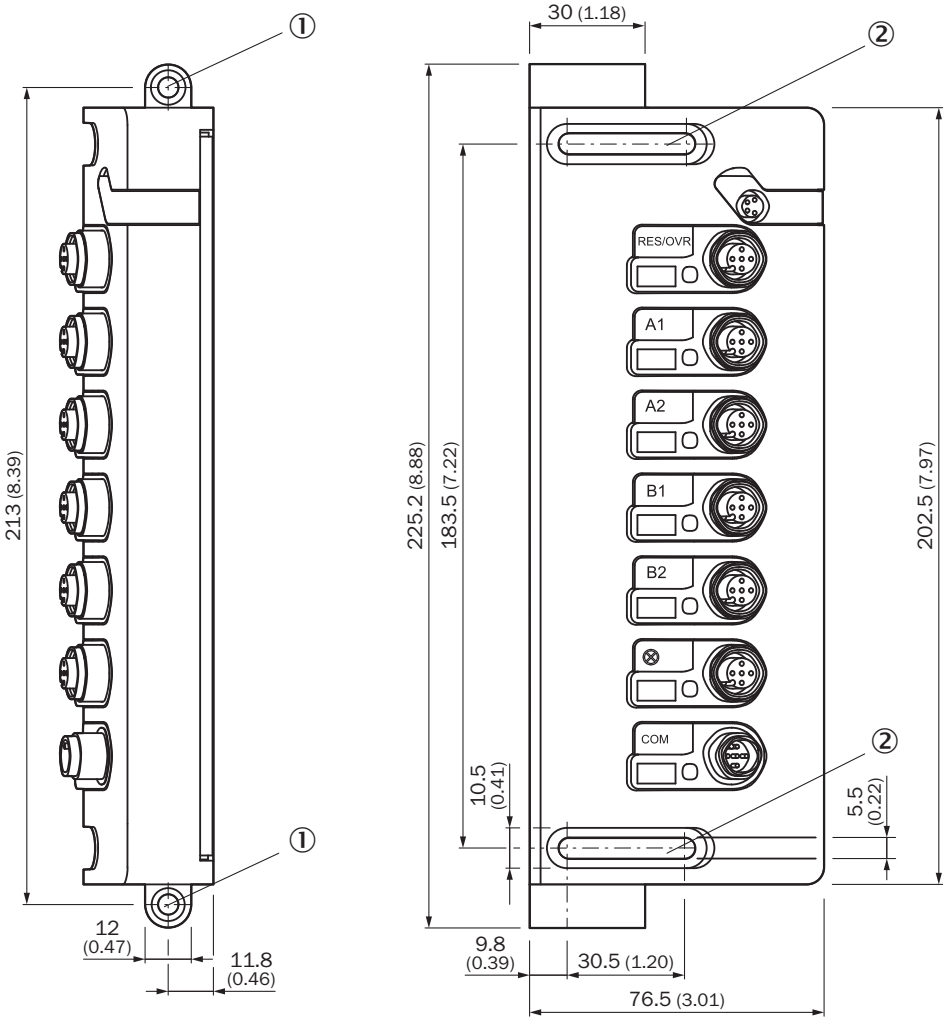
Enclosure rating	IP65 (IEC 60529)
Ambient operating temperature	–30 °C ... +55 °C
Storage temperature	–30 °C ... +70 °C

Classifications

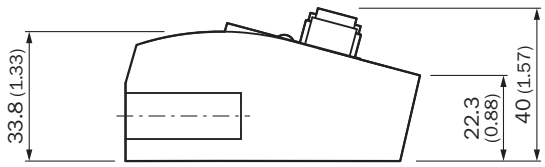
ECl@ss 5.0	27371990
ECl@ss 5.1.4	27371990
ECl@ss 6.0	27371819
ECl@ss 6.2	27371819
ECl@ss 7.0	27371819
ECl@ss 8.0	27371819
ECl@ss 8.1	27371819
ECl@ss 9.0	27371819
ETIM 5.0	EC001449
ETIM 6.0	EC001449
UNSPSC 16.0901	41113704

Dimensional drawing (Dimensions in mm (inch))

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.



SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com