

Safety controllers
Flexi Classic, Muting extension unit

UE410-XM3



Model Name **UE410-XM3**
Part Number **6034483**



Behind the Flexi Classic series is a safety control concept that enables different units and modules to be connected together as required in the specific case.

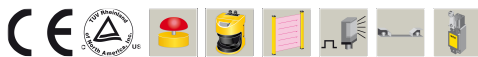
The units are of plug-in style with communication between the individual units over an internal bus.

The sensors that can be connected and the function are defined using rotary switches on the related units; except for the relay modules and the fieldbus modules that are used for integration in a higher level controller without a safety function.

These modules are output units and have no effect on the logic set or the function of the upstream units.

The Flexi Classic series comprises the units:

- UE410-MU (main unit)
 - UE410-MM (muting main unit)
 - UE410-XU (extension unit)
 - UE410-XM (muting extension unit)
 - UE410-8DI (input expansion unit)
 - UE410-MDI (muting expansion unit)
 - UE410-2RO/-4RO (relay module)
 - UE410-PRO/UE410-DEV/UE410-CAN/UE410-EN (diagnosis module PROFIBUS-DP/DeviceNet/CANopen/Modbus TCP and Ethernet TCP/IP)
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- Optimal integration of SICK safety devices
 - Significant reduction in the control cabinet width
 - Easy program selection using rotary switches (no software required)
 - Significant reduction in the wiring effort
 - Relay module
 - PROFIBUS, DeviceNet, CANopen and Modbus TCP integration



Applications

Emergency stop switch:	-
Safety switches:	-
Opto-electronic protective devices:	✓
Non-contact safety switches:	✓
Two-hand control systems:	-

Testable inductive sensors: -

Functions

Number of reset-/restart inputs:	1
Number of external device monitoring:	1
Muting:	✓
Override:	✓
Belt stop:	-
Concurrence monitoring:	✓
Monitoring total muting time:	✓
Sensor gap monitoring:	✓
End of muting by ESPE:	✓
Logical functions:	Muting, override
Safe device communication via EFI/SDL:	-

Technical data

Category:	Category 4 (EN ISO 13849)
Safety integrity level:	SIL3 (IEC 61508), SILCL3 (IEC 62061)
Performance Level:	PL e (EN ISO 13849)
PFHd:	3,0 * 1E-09
Number of inputs:	1 dual-channel and 4 single-channel
Number of muting sensors:	2, 4
Total muting monitoring time:	activation and time adjustable 0.33 ... 60 min
Number of outputs:	1 dual-channel and 2 single-channel
Type of output safety capable outputs:	PNP semiconductors, short-circuit protected, cross-circuit monitored
Output voltage HIGH:	18 V DC ... 30 V DC
Maximum output current:	2 A
Maximum response time:	13 ms
Enclosure rating:	IP 20 (EN/IEC 60529)
Protection class:	III
Stop category to EN 60204:	0, 1, EN 60204
Supply voltage:	19.2 V DC, 24 V DC, 30 V DC
Type of supply voltage:	PELV (electrical output circuit on UE410-4RO/UE410-2RO > 25 V AC/60 V DC), PELV or SELV (electrical output circuit on UE410-4RO/UE410-2RO < 25 V AC/60 V DC)
Maximum power consumption:	3 W
Maximum switch on time:	10 s
Connection type:	Plug-in terminals
Ambient operating temperature from ... to:	-25 °C ... 55 °C
Storage temperature from ... to:	-25 °C ... 70 °C
Vibration resistance (checked to):	EN 60068-2-64, EN 61131-2
Dimensions (W x H x D):	22.5 mm x 96.5 mm x 120.8 mm
Weight:	180 g
System part:	Safety controllers

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