

Art. No. 601030



CPSET-M27 and -M28 are complete Muting systems for access guarding areas through which operational material must be transported. In addition to the optical protective device with integrated LED Muting indicator, the CPSET include two device columns in which the devices are premounted, allowing them to be simply adjusted in height. Muting is controlled by two independent signals that must be simultaneously activated within 3.5 sec.:

- Muting signal 1 from 2 Reflection Light Beam Devices that are electrically connected in parallel
- Muting signal 2 from a PLC via the machine interface cable (pin 11, clear)

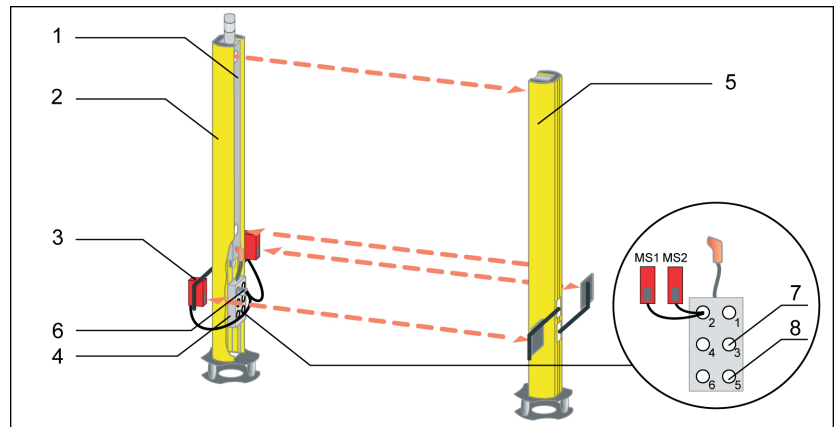
The Muting Light Beam Devices are included and must be mounted by the customer onto the two included MMS-AP-N60 mounting brackets on the slot located on the rear of the device column.

The start/restart interlock function is selected. An illuminated reset button can be connected to socket X3 of the AC-SCM1-BT sensor connection box in the device column; an unilluminated reset button can be connected to signal M2 of the machine interface.

An occupied Muting path can be overridden after switching back on or after faults by pressing and releasing the reset button twice within 4 seconds, provided both Muting signals are activated. If only one of the two Muting signals is active, the reset button must be kept held down after the second time the button is pressed.

The connecting cable to the cabinet can be ordered separately in lengths of 10 m, 25 m and 50 m.

Structure



- 1 CPRT500/2-ml08/R2
- 2 UDC-1300-S1 (CPSET-M27) or UDC-1600-S1 (CPSET-M28)
- 3 MMS-AP-N60 with Light Beam Devices PRK46B
- 4 AC-SCM1-BT
- 5 CPM500/2V in UDC-1300-S1
- 6 Splitter cable CB-M12-SC44 – connection to X2 of the AC-SCM1-BT
- 7 Illuminated reset button to X3 of the AC-SCM1-BT, Pin 1 – Pin 4
- 8 Optional external Muting indicator on X5 of the AC-SCM1-BT, Pin 3 - 4

Electrical connection

The plug of the /R2 machine interface is wired as follows:

Pin	Color	Inputs/outputs
1	Brown	+24 V DC
2	Pink	0 V
3	Blue	OSSD1A
4	Gray	OSSD2A
5	Black	M1 – not used
6	Orange	M2 – RES_M, optional connection - reset signal
7	red	M3 – OSSD switching state
8	Purple	M4 – signal output for interference/contamination
9	White	OSSD1B
10	Beige	OSSD2B
11	Clear	M5 – Muting signal 2 from PLC
12	Green/yellow	FE, functional earth

Mounting and starting up

To fix the device columns to the ground, see the enclosed instructions. The mounting brackets for the Muting sensors and reflectors are secured in the slot on the rear of the device columns; Light Beam Devices and reflectors are to be fastened to these. The Light Beam Devices are connected to socket X2 of the sensor connection box via the splitter cable, the reset button is connected to X3, and an optional external Muting lamp to X5. The connection cable of the sensor connection box is to be connected to local socket M12-8 of the Muting Transceiver, the cable from the cabinet is to be connected to the Hirschmann plug.

Ordering information

Art. No.	Article	Description
909963	CPSET-M27	Complete muting set with UDC-1300-S1
909928	CPSET-M28	Complete muting set with UDC-1600-S1
426042	CB-LDH-10000-12GF	Connecting cable 10 m, interface /R2
426044	CB-LDH-25000-12GF	Connecting cable 25 m, interface /R2
426043	CB-LDH-50000-12GF	Connecting cable 50 m, interface /R2
426046	AC-LDH-12GF	Connector for interface /R2
520073	SLAB-SWC	PC software for COMPACTplus

We reserve the right to make changes