

Enclosure dimensions (mm)				Tube section U 50 mm	Tube section U 80 mm
	H (mm)	W (mm)	D (mm)	References	References
	300	300	200	NSYS3CM303020	-
	300	400	200	NSYS3CM304020	-
	400	400	200	NSYS3CM404020	-
	400	600	250	NSYS3CM406025*	-
	500	500	250	NSYS3CM505025	-
	600	600	200	NSYS3CM606020*	-
	600	800	300	-	NSYS3CM608030
800	600	300	-	NSYS3CM806030*	

Tube		Tube section U 50 mm	Tube section U 80 mm
	Length (m)	References	References
	0.5	NSYCMT5005	NSYCMT8005
	1	NSYCMT5010	NSYCMT8010
	1.5	NSYCMT5015	NSYCMT8015
	2	NSYCMT5020	NSYCMT8020

Fixing on support (steel material)		Tube section U 50 mm	Tube section U 80 mm
		References	References
	1 Fixed base	NSYCMUMR50	NSYCMUMR80
	2 Wall fixing with joint	NSYCMUMA50	NSYCMUMA80
	3 Rotating straight fitting	NSYCMUMC50	NSYCMUMC80

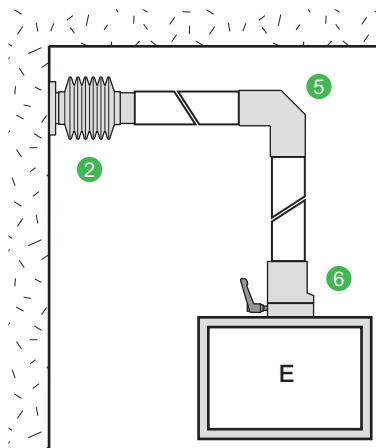
Inter-tube fitting (aluminium material)		Tube section U 50 mm	Tube section U 80 mm
		References	References
	4 Horizontal inter-tube joint	NSYCMUIA50	NSYCMUIA80
	5 Fixed bracket	NSYCMUTC50	NSYCMUTC80

Fixing on enclosure (aluminium material)		Tube section U 50 mm	Tube section U 80 mm
		References	References
	6 Rotating fixing on enclosure	NSYCMUCR50	NSYCMUCR80
	7 Rotating fixing in bracket on enclosure	NSYCMUCC50	NSYCMUCC80
	8 Tilting fixing on enclosure	NSYCMUCP50	NSYCMUCP80 (1)

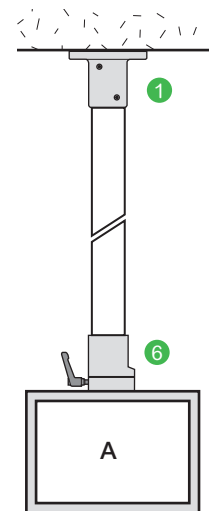
* Enclosure equipped with a cable gland plate.

(1) Installation on an enclosure D300 requires plate ref. NSYCMUCPAD87 (see [page 496](#)).

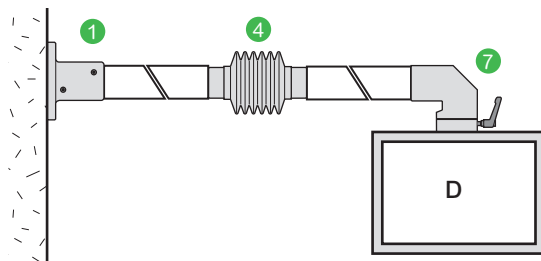
Technical changes reserved. Information provided without guarantee. Images are for illustrative purposes only.



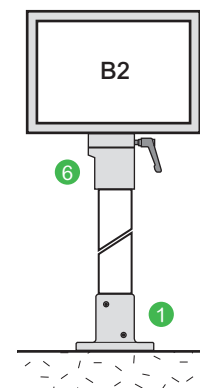
- Fixing on support
② See page 495
- Inter-tube fitting
⑤ See page 496
- Fixing on enclosure
⑥ See page 496



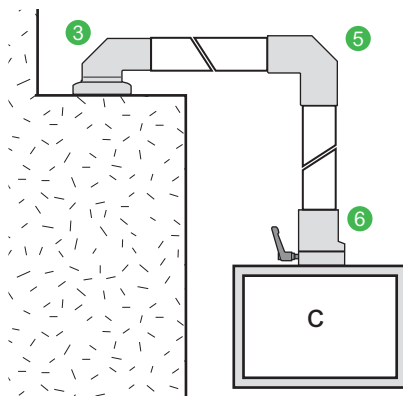
- Fixing on support
① See page 495
- Inter-tube fitting
- Fixing on enclosure
⑥ See page 496



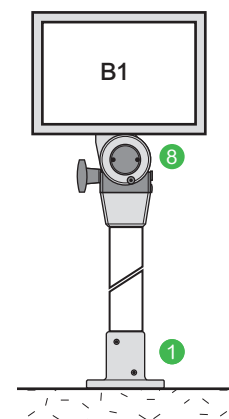
- Fixing on support
① See page 495
- Inter-tube fitting
④ See page 495
- Fixing on enclosure
⑦ See page 496



- Fixing on support
① See page 495
- Inter-tube fitting
- Fixing on enclosure
⑥ See page 496



- Fixing on support
③ See page 495
- Inter-tube fitting
⑤ See page 496
- Fixing on enclosure
⑥ See page 496



- Fixing on support
① See page 495
- Inter-tube fitting
- Fixing on enclosure
⑧ See page 496

Spacial S3CM

The control enclosures consist of:

A steel body equipped with:

- reinforcement plate: The top wall is reinforced by a plate (3 mm) and pierced with a hole Ø 54 or 87 mm (according to the reference) to allow hanging installation of the enclosure,
- 4 welded studs on the 2 inner vertical walls, for fixing the rails,
- 2 rails (with drill holes) for installing equipment,
- a rear door, opening to 120° and closing with double bar lock.

⁽¹⁾ Enclosure equipped with a cable gland plate

An aluminium front face (2.5 mm thick):

- this surface is protected on both sides by a plastic film, allowing the installation of the dialogue elements,
- a trim frame made from 4 extruded-aluminium rails.
- Structured finish, epoxy polyester powder, RAL 7040 grey colour (other colours on demand).
- The design of these rails takes into account the accessory mounting functions (lamp, document support, keyboard support, laptop support, etc.), the ergonomics for handling the enclosure and its overall aesthetics.
- Finish: Structured finish, epoxy polyester powder
- Colour: RAL 7035 grey
- Ingress protection rating: IP54 according to IEC 60529
- Mechanical protection rating: IK10 according to IEC 62262

For more details see [page 518](#)



NSYS3CM303020

Characteristics	Enclosure load (kg)	Tube section (mm)	Height (mm)	Width (mm)	Depth (mm)	References
HMI encl. Spacial S3CM	8.6	50	300	300	200	NSYS3CM303020
HMI encl. Spacial S3CM	9.5	50	300	400	200	NSYS3CM304020
HMI encl. Spacial S3CM	11.4	50	400	400	200	NSYS3CM404020
HMI encl. Spacial S3CM ⁽¹⁾	17.9	50	400	600	250	NSYS3CM406025
HMI encl. Spacial S3CM	20.2	50	500	500	250	NSYS3CM505025
HMI encl. Spacial S3CM ⁽¹⁾	26.5	50	600	600	200	NSYS3CM606020
HMI encl. Spacial S3CM	34.9	80	600	800	300	NSYS3CM608030
HMI encl. Spacial S3CM ⁽¹⁾	33.6	80	800	600	300	NSYS3CM806030

Human-Machine Interface Specific accessories

Box-keyboard for control enclosure

- The box is installed on the control enclosures with a width of 600 mm. It then has an angle of 120° with its front face. All the accessories required for installation are delivered with 2 brackets and 1 trim rail, 1 hose for cable entry.

The box for the consists of:

- a steel body, structured finish, epoxy polyester powder, RAL 7035 grey colour, with a screwed cover, an aluminium front face (2.5 mm thick) for installing a keyboard,

- a trim frame made from 2 extruded-aluminium rails guaranteeing ergonomic handling of the box and the aesthetics of the unit. The frame and the front face are delivered assembled. Structured finish, epoxy polyester powder, RAL 7040 grey colour.
- Ingress protection rating: IP54
- Mechanical protection rating: IK10
- Weight: 8 kg

For more details see [page 519](#)



NSYCMT2560110

Characteristics	Height (mm)	Width (mm)	References
Box-keyboard for control enclosure	250	600	NSYCMT2560110

Support

- Installation on the left or right rail of the frame of the control enclosure.
- Material: Sheet steel
- Finish: Structured finish, epoxy polyester powder
- Colour: RAL 7035 grey
- Thickness: 15/10° mm

For more details see [page 519](#)



NSYCMBPT

Characteristics	References
Support for Keyboard	NSYCMBPT

Tube

The tubes are available in:

- 2 sizes: Square of 50 and 80 mm,
- 4 lengths: 0.5, 1, 1.5 and 2 m
- Material: Extruded steel
- Finish: structured finish, powder
- Colour: RAL 7035 grey
- Thickness: 40/10° mm

NSYCMT5005

Characteristics	Square (mm)	Length (m)	Weight (kg/m)	References
Tube	50	0.5	6.5	NSYCMT5005
Tube	50	1	6.5	NSYCMT5010
Tube	50	1.5	6.5	NSYCMT5015
Tube	50	2	6.5	NSYCMT5020
Tube	80	0.5	10.5	NSYCMT8005
Tube	80	1	10.5	NSYCMT8010
Tube	80	1.5	10.5	NSYCMT8015
Tube	80	2	10.5	NSYCMT8020

Fixed base



NSYCMUMR50

- Support foot for direct horizontal or vertical connection.
- Material: Moulded steel
- Colour: RAL 7040 grey

For more details see [page 520](#)

Characteristics	Square (mm)	Weight (kg)	References
Fixed base	50	3.25	NSYCMUMR50
Fixed base	80	7	NSYCMUMR80

Wall fixing with joint



NSYCMUMA50

- Device allowing rotation through 170° of a horizontal tube, with a square section of 50 or 80 mm, and its fixing on a vertical surface.
- Protection by bellows, RAL 7035 grey colour.
- Possibility of passing cables through the inside of the joint.
- Material: Moulded steel
- Colour: RAL 7040 grey

For more details see [page 520](#)

Characteristics	Square (mm)	Weight (kg)	References
Wall fixing with joint	50	4.35	NSYCMUMA50
Wall fixing with joint	80	9.45	NSYCMUMA80

Rotating straight fitting



NSYCMUMC50

- Device allowing the fixing and rotation through 295° of tubes, with a square section of 50 or 80 mm, in horizontal position.
- Without blocking the chosen position.
- Fixing by 4 screws, not included.
- Material: Moulded steel
- Colour: RAL 7040 grey

For more details see [page 520](#)

Characteristics	Square (mm)	Weight (kg)	References
Rotating straight fitting	50	5.4	NSYCMUMC50
Rotating straight fitting	80	15.7	NSYCMUMC80

Horizontal inter-tube joint



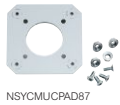
NSYCMUIA50

- Device allowing the linking and rotation through 170° of 2 horizontal tubes, with a square section of 50 or 80 mm.
- Protection by bellows, RAL 7035 grey colour.
- Possibility of passing cables through the inside of the joint.
- Material: Moulded steel
- Colour: RAL 7040 grey

For more details see [page 520](#)

Characteristics	Square (mm)	Weight (kg)	References
Horizontal inter-tube joint	50	4.25	NSYCMUIA50
Horizontal inter-tube joint	80	10	NSYCMUIA80

Adapter part for enclosure D300 / Ø 80 mm



NSYCMUCPAD87

Characteristics	Square (mm)	Weight (kg)	References
Adapter part for enclosure D300 / Ø 80 mm	80	0.5	NSYCMUCPAD87

Fixed bracket



NSYCMUTC50

- Our system of tubes and joints, fixed or rotating, enables all the solutions to respond to the installation needs of the control enclosures for human-machine dialogue.
- Device allowing the combination and fixing of a horizontal tube with a vertical tube.
- Material: Aluminium
- Colour: RAL 7040 grey

For more details see [page 521](#)

Characteristics	Square (mm)	Weight (kg)	References
Fixed bracket	50	1.35	NSYCMUTC50
Fixed bracket	80	2.4	NSYCMUTC80

Rotating fixing on enclosure



NSYCMUCR50

- Device allowing the fixing and rotation through 300° of tubes, with a square section of 50 or 80 mm, in vertical position.
- System for blocking in the chosen position.
- Fixing through the support surface by 4 screws.
- Material: Aluminium
- Colour: RAL 7040 grey

For more details see [page 521](#)

Characteristics	Square (mm)	Weight (kg)	References
Rotating fixing on enclosure	50	1.25	NSYCMUCR50
Rotating fixing on enclosure	80	3.1	NSYCMUCR80

Rotating fixing in bracket on enclosure



NSYCMUCC50

- Devices allowing the fixing and rotation through 300° of tubes, with a square section of 50 or 80 mm, in horizontal position.
- System for blocking in the chosen position.
- Fixing through the support surface by 4 screws.
- Material: Aluminium
- Colour: RAL 7040 grey

For more details see [page 521](#)

Characteristics	Square (mm)	Weight (kg)	References
Rotating fixing in bracket on enclosure	50	2	NSYCMUCC50
Rotating fixing in bracket on enclosure	80	6.55	NSYCMUCC80

Tilting fixing on enclosure



NSYCMUCP50

- This fixing allows the enclosures to be tilted up to 30°.
- System for blocking in the chosen position.
- It is installed on enclosures with depths of 200 and 250 mm.
- The installation on enclosures with a depth of 300 mm requires an adapter plate.
- Material: Aluminium + PA
- Colour: RAL 7040 grey + PA black

For more details see [page 521](#)

Characteristics	Square (mm)	Weight (kg)	References
Tilting fixing on enclosure	50	2.98	NSYCMUCP50
Tilting fixing on enclosure	80	3.10	NSYCMUCP80

Adapter for signalling beacon



NSYCMACS50

- It is installed on fixed brackets ref. NSYCMUTC50 and NSYCMUTC80.
- Material: Aluminium.
- Finish: Structured finish, powder.
- Colour: RAL 7040 grey

For more details see [page 521](#)

Characteristics	Square (mm)	Weight (kg)	References
Adapter for signalling beacon	50	0.025	NSYCMACS50
Adapter for signalling beacon	80	0.08	NSYCMACS80