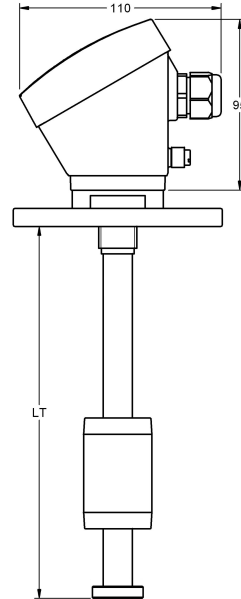


IMN MPS DB PVC

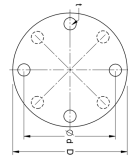


**MAGNETIC
LEVEL
SWITCH**




Function	Detection of the level by float. Formable by the user.
Process connection	By flange, PVC.
Electrical connection	Connection housing. PBT. 64 x 95 x 110 mm. Two wires without polarity.
Number of contacts	1..5. With controller SNIA and modules MPS05. 1..80. With controller SNI y modules MPS80.
Material	PVC
Temperature	-10..+60 °C
Pressure	3 Kg/cm ²
Density	>0,4 g/cm ³
Float	Standard: FCPP05B18 (FCP-5B), Ø38 x 60 mm. PP or PA.
Guide tube (length)	Ø16 mm. PVC (100..2500 mm. Consult to others dimensions).
Protection	IP67

Process connection	Flange	DN25	DN32	DN40	DN50	DN100
	Material	PVC				
n x Ø t (mm)	4x14			4x18		8x18
d (mm)	85	100	110	125	180	
Ø D (mm)	115	140	150	165	220	
Thickness (LCP) (mm)			15		20	



Floats	Model	FCPP05B18	FCPP08B18
	Material	PP (grey)	PA (blue)
Dimension (mm)	Ø 38x60		
Pressure (kg/cm ²)	3		
Density (g/cm ³)	e > 0,5		
FS/ FH (mm)	36/32,9		



IMN MPS DB PVC - P F L

Ordering code	Process connection	DN25	34
		DN32	35
Floats	FCPP05B18	53	
	FCPP08B18	59	
Total length (LT) (mm)			

Reference: choose one option of each cell.

Example: **IMN MPS DB PVC P34 F53 L450**

	MPS 05	MPS 80
Function	Detection module	
Control relay	SNIA	SNI
Electrical connection	By 1,5 mm ² rigid cable. Fast connection without screws.	
Material	Cyclopy grey.	
Temperature	-20..+60 °C	
Length	Ø12 x 40 mm	
Accessories	It includes a small piece to disconnect the cable.	
Mounting	See instructions to the next page.	

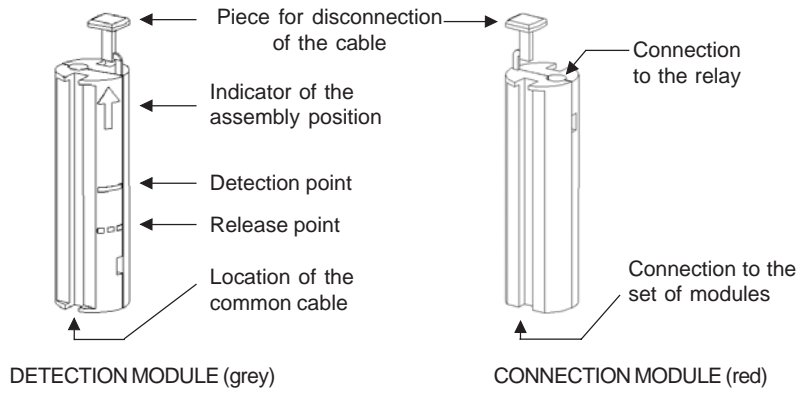


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MPS ASSEMBLY INSTRUCTIONS

Before beginning with the assembly, confirm to have the following elements:

- From 1 to 5 detection modules **MPS 05**, grey colour (SNIA)
- From 1 to 80 detection modules **MPS 80**, grey colour (SNI)
- Two connection modules (red colour)
- Two pre-insulated cable ends for 1 mm² multi-wire cable
- 1,5 mm² rigid cable
- Probe



1

Distance of the naked cable. 1.5 mm^2 12 mm

Prepare the modules in the position that will occupy and with the required distance among them. The arrow aims at the connection housing.

$\geq 50 \text{ mm}$

The cable connected to the bottom end of the last module has to arrive without interruption up to the connection housing.

The modules can be connected with no clearance between them. Use a rigid cable of 25 mm completely naked to do the electrical connection.

In order to disassemble the cable of a module, the provided piece or a screwdriver with the suitable size can be used. Break the piece of its support and put inside the hole corresponding to the cable to be removed and press it while throws outwards of the cable.

Connect the cables into the modules by pressing firmly. Keep large the ends that will arrive to the connection housing.

2

10 mm

Introduce the set of modules within the probe. See the picture at left in order to know where the excess cable must be cut.

Once cut, uncover 12 mm those cables.

Connect the grey modules to the cable and introduce the set of modules within the probe without nor forcing neither twisting it. Make it easier by placing the common cable between the guides located throughout the lateral sides of each module.

3

Use the provided cable ends to connect the probe with the relay. Use an 1 mm² section cable.

The connection housing is adjustable 360° to facilitate the installation of the equipment and for the best placement of the cables.