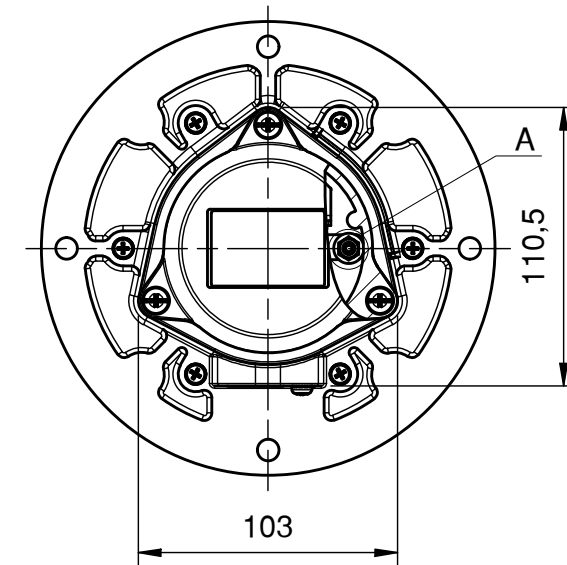
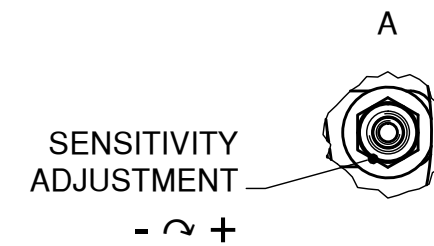
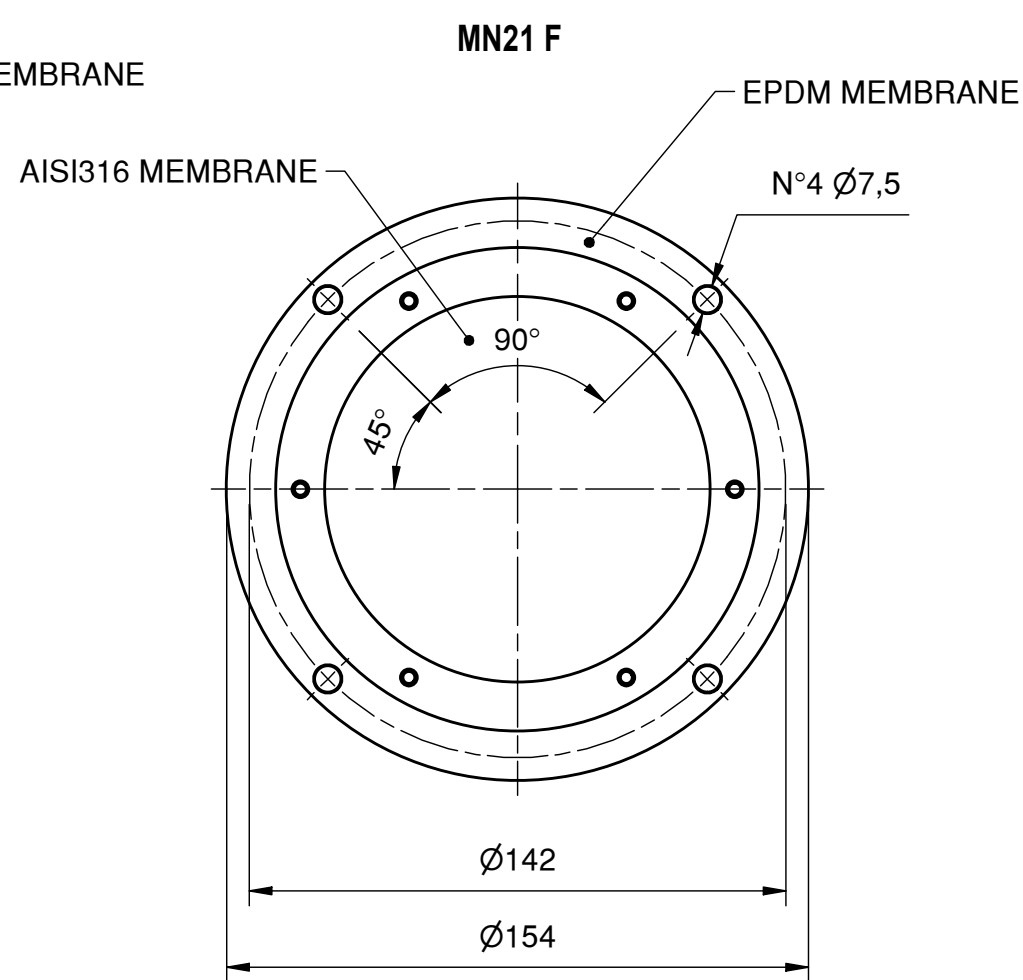
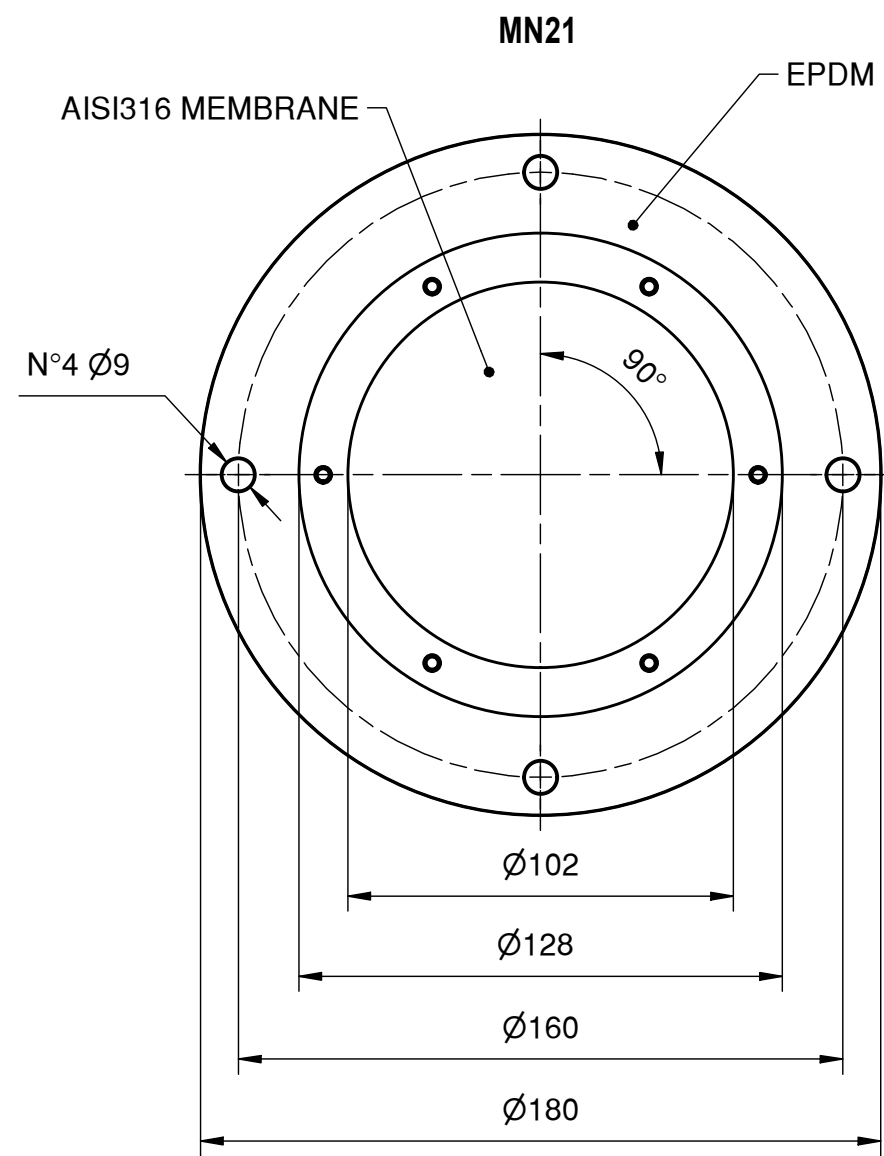
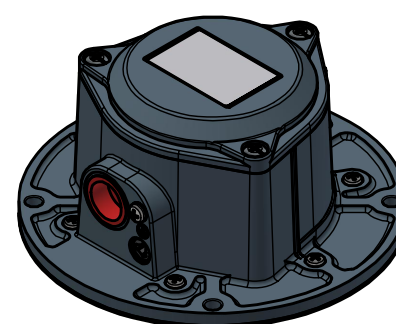
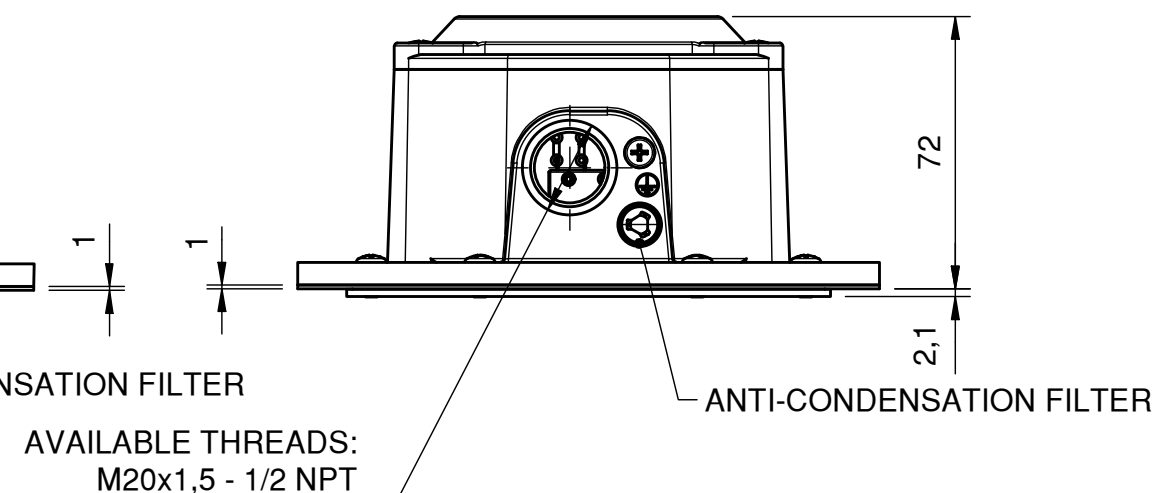
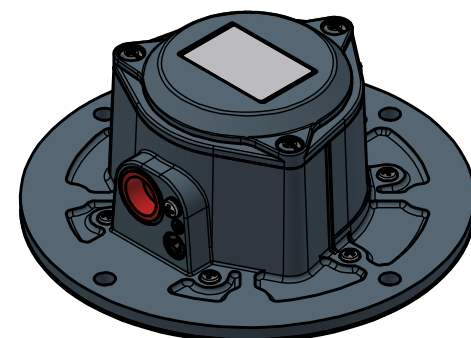
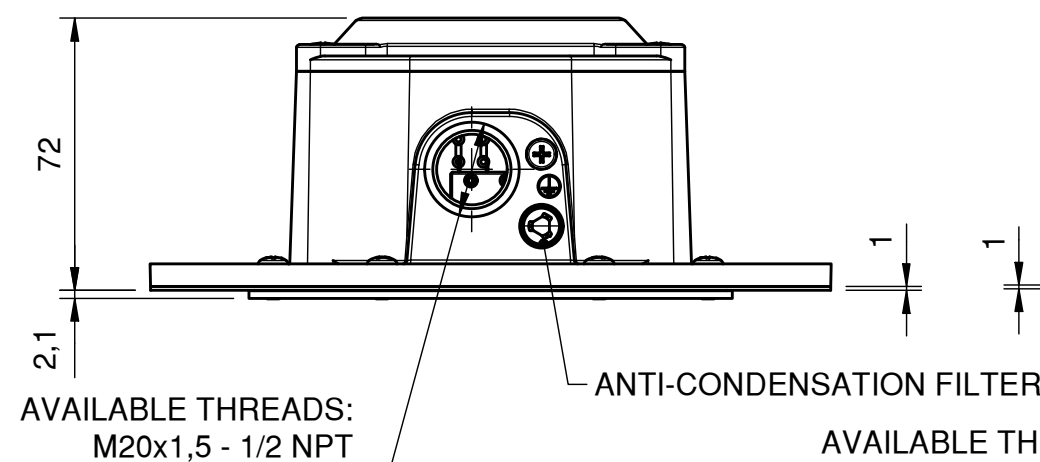




STANDARD WIRING

PE	NC	NO	COM		
	4	3	2		
	4	3			
	MAX				
	0,1A / 250 V AC				
	0,1A / 24V DC				



Model	MN21 / MN21F
Type	Membrane level indicator (bulk solids)
Weight	1 / 0,9 [kg]
Power supply	No Power supply needed
Signal	SPDT / max. 0,1[A]-250VAC / 0,1[A]-24VDC
Microswitch mechanical life	Minimum 5x10^6 cycles
Sensitivity range	Standard from 10 to 25 mbar
IP grade	IP65
Housing	Aluminium (powder coated)
Flange	Aluminium (counter flange AISI316)
Membrane	EPDM + Stainless steel (AISI316)
Ambient temperature	-20 < Ta < +70 [°C] / -4 < Ta < +158 [°F]
Process temperature	-20 < Tp < +70 [°C] / -4 < Tp < +158 [°F]
Directives	2011/65/EU (RoHS) 2014/30/EU (EMC) 2014/34/EU (ATEX) 2014/35/EU (LVD)
ATEX Marking	Ex II 1/2 D Ex ta/tb IIIC T85°C IP65 Da/Db Ex II 3 D Ex tc IIIB T85°C Dc (Lamp version)
IECEx Marking	Ex ta/tb IIIC T85°C Da/Db
UL Marking	Zone 20/Zone 21 AEx ta/tb IIIC T85°C Da/Db
CSA Marking	Ex ta/tb IIIC T85°C Da/Db

02	04/09/26	Aggiornato portata contatti e aggiornamento generale	0044/26	Colli S.
REV.	DATA - Date	DESCRIZIONE MODIFICA - Description of the change	ID	DIS./VER. - Drawn/Checked

CODICE - Code 0602_0021_00		DESCRIZIONE - Description SCHEDA TECNICA MN21		
	DISEGNATO Drawn by	Colli S.	SCALA Scale	1:2
	DATA Date	25/07/25	FORMATO Format	A3
Via dell' Industria, 12 42025 Cavriago (RE) - Italy www.camlogic.it		LE DIMENSIONI SONO ESPRESSE IN mm SALVO DIVERSA INDICAZIONE All dimension are in mm unless otherwise indication	FOGLIO Sheet	1
Tel. 0522 942641		FILE CAD Cad File	0602_0021_00-02.idw	DI Of
		MASSA Mass	0.59	kg
				REV. 2
				02

SIGNAL LAMP (MN21 L)

Adds a LED lamp on top. The lamp could be connected to NC contact.

Must define a single power supply voltage:

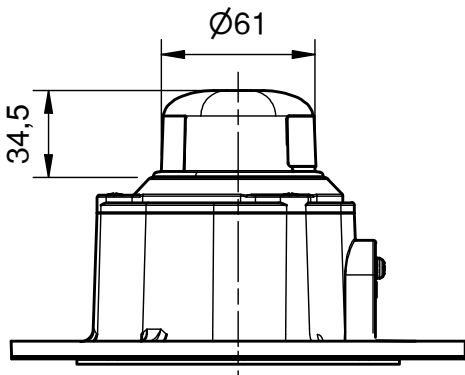
- 24 [V] AC/DC
- 48 [V] AC
- 115[V] AC
- 230[V] AC

NOTE

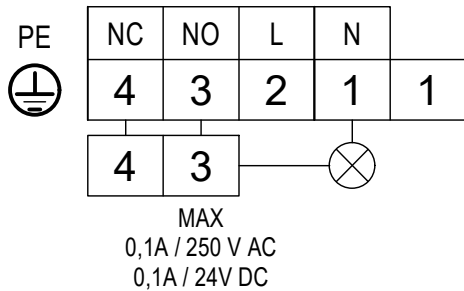
Model with lamp can be installed only in Atex zone 22

ATEX Marking: II 3 D Ex tc IIIB T85°C Dc

Not available with IECEX - UL - CSA certification



WIRING

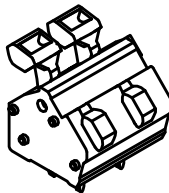


SPRING TERMINAL BLOCK

Terminals with spring terminal design.

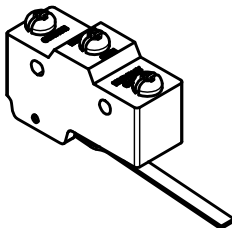
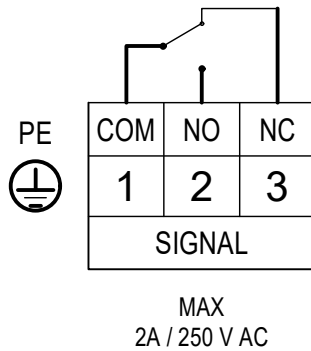
No tool needed for wires connection.

0.13 - 2.5 mm2 (AWG26 - AWG14)



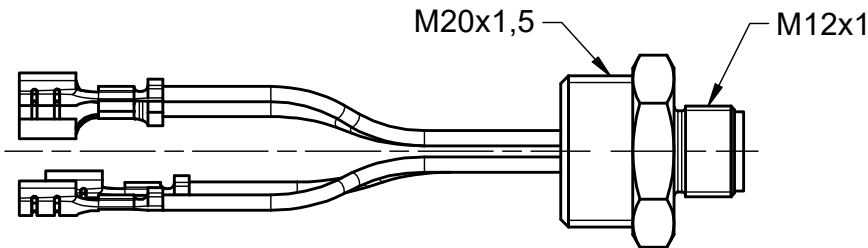
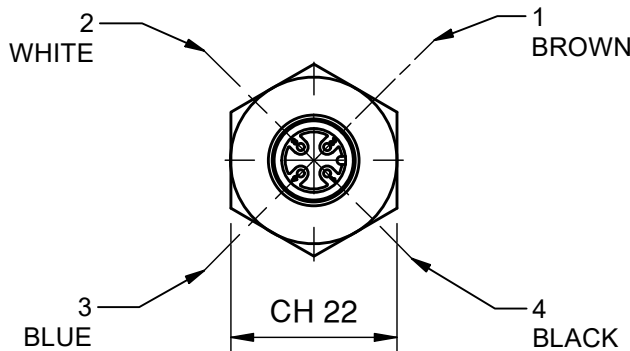
ALTERNATIVE MICROSWITCH (MN21 P)

Alternative microswitch with a higher contact range

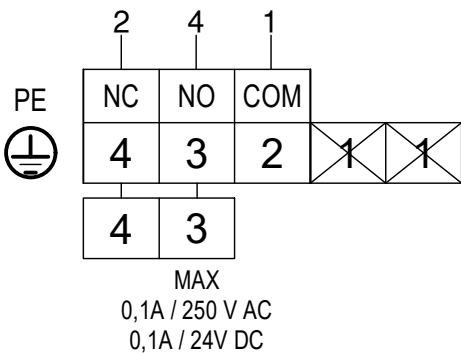


M12 CIRCULAR CONNECTOR

Through a M20x1,5 threaded reduction mounted in one of the cable entries of the level indicato, it is possible to use the 4 poles M12 connector for a quick and reliable connection. Rated a power supply of up to 150 V (AC/DC), maximum contacts capacity 0,1A.



WIRING



M12 pole N.	Signal
1	L
2	NC
3	N (Lamp only)
4	NO

00	04/09/26	Aggiornato portata contatti e aggiornamento generale	0044/26	Colli S.
REV.	DATA - Date	DESCRIZIONE MODIFICA - Description of the change	ID	DIS./VER. - Drawn/Checked
CODICE - Code		DESCRIZIONE - Description		
0602_0021_00		SCHEMA TECNICA MN21		
DISEGNATO		Colli S.	SCALA	1:1
Drawn by			Scale	
DATA		25/07/25	FORMATO	A3
Date			Format	
LE DIMENSIONI SONO ESPRESSE IN mm SALVO DIVERSA INDICAZIONE			FOGLIO	DI
All dimension are in mm unless otherwise indication			Sheet	Of
FILE CAD		0602_0021_00-02.idw	MASSA	0.59
Cad File			Mass	kg
				REV.
				02