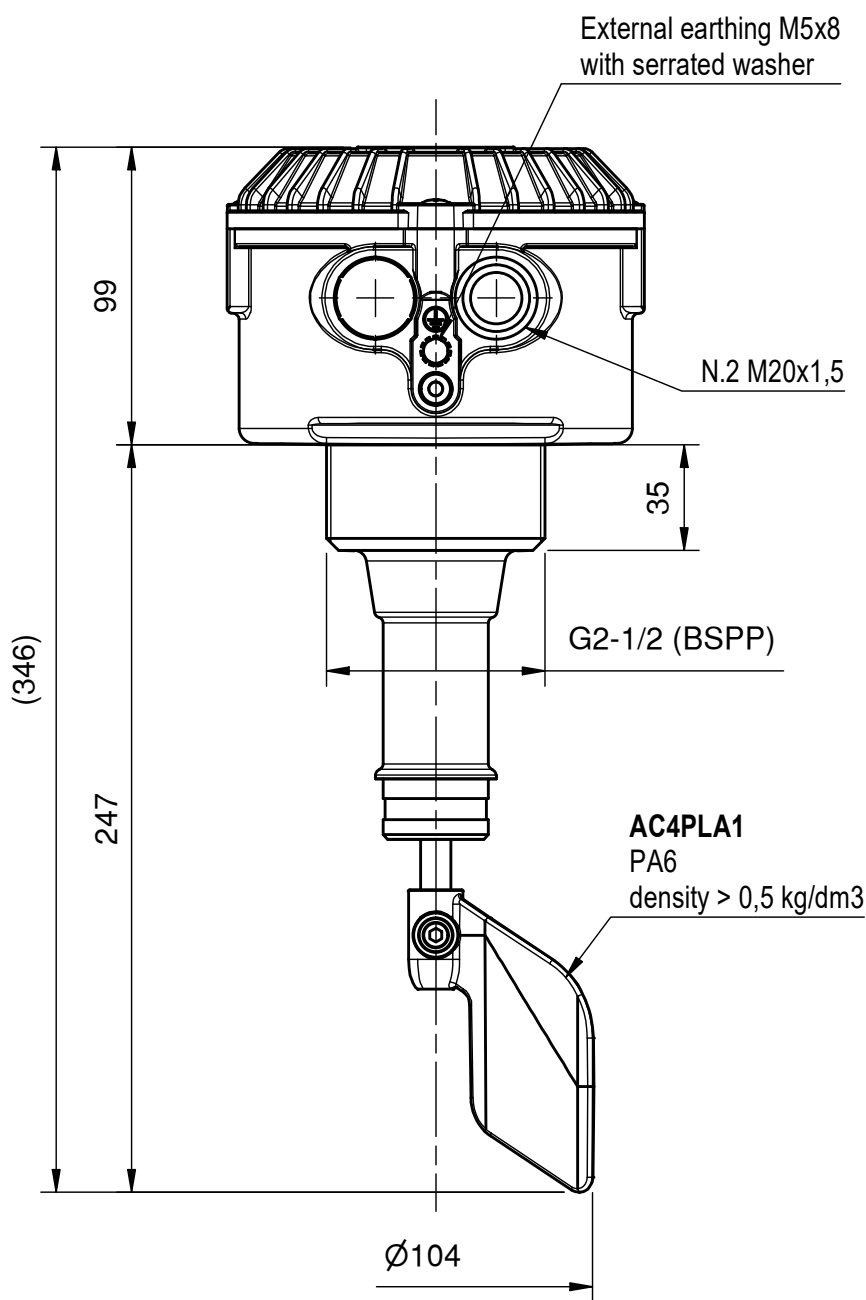
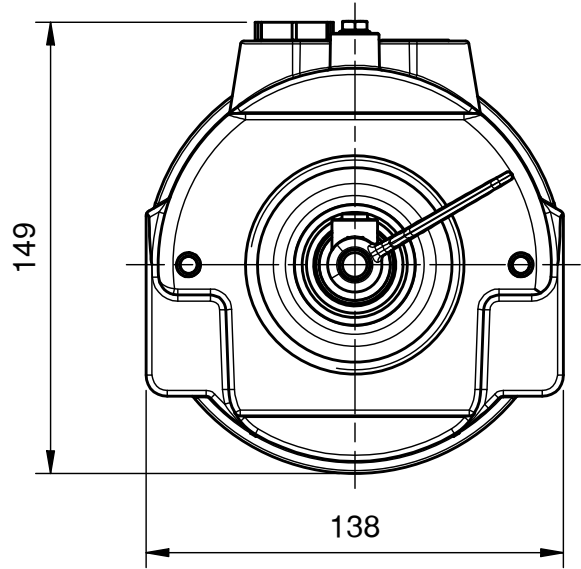
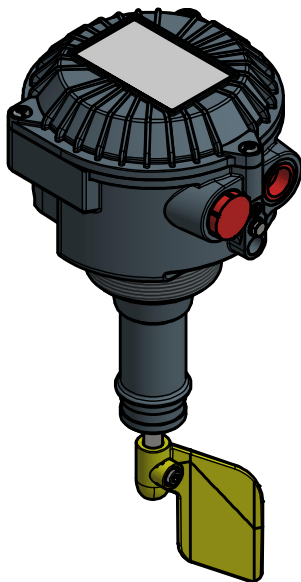




PFG05



OPTIONS											
MAX 10A / 250 V AC 0,5A / 24V DC						VOLTAGE CONTROL		ROTATION CONTROL			
								115 / 230 V AC			
NO	COM	NC	NO	COM	NC			230	115	[N]	[N]
11	10	9	8	7	6	5	4	3	2	1	1
SIGNAL 2			SIGNAL 1			ALARMS		POWER SUPPLY			

OPTIONS											
MAX 10A / 250 V AC 0,5A / 24V DC						VOLTAGE CONTROL		ROTATION CONTROL			
								24 / 48 V AC			
NO	COM	NC	NO	COM	NC			48	24	[N]	[N]
11	10	9	8	7	6	5	4	3	2	1	1
SIGNAL 2			SIGNAL 1			ALARMS		POWER SUPPLY			

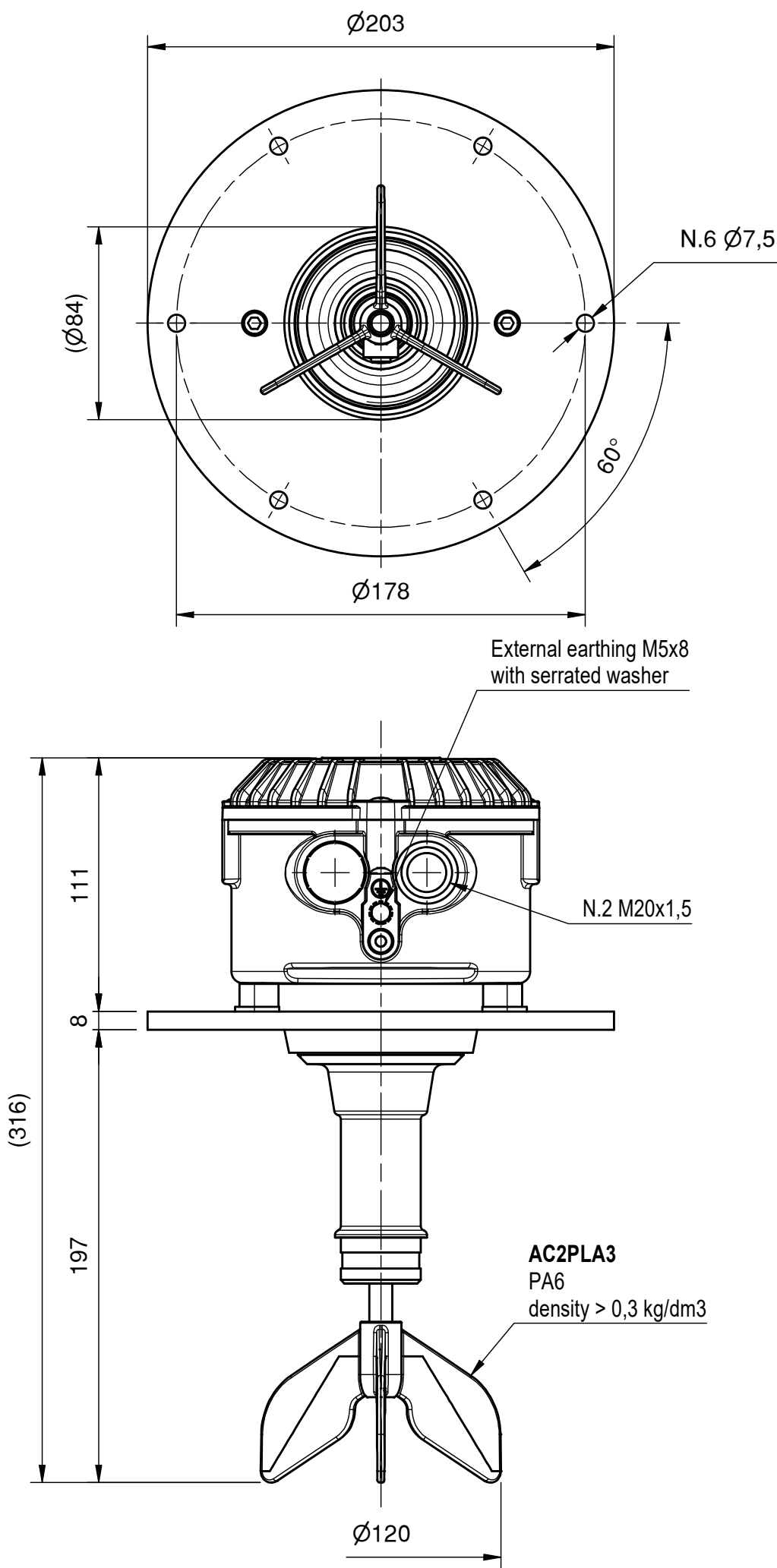
OPTIONS											
MAX 10A / 250 V AC 0,5A / 24V DC						VOLTAGE CONTROL		ROTATION CONTROL			
								24 V DC			
NO	COM	NC	NO	COM	NC			-	±24	±24	
11	10	9	8	7	6	5	4	3	2	1	1
SIGNAL 2			SIGNAL 1			ALARMS		POWER SUPPLY			

TERMINALS: male FASTON (.250 series / 6,3x0,8 mm)
see OPTIONS for more

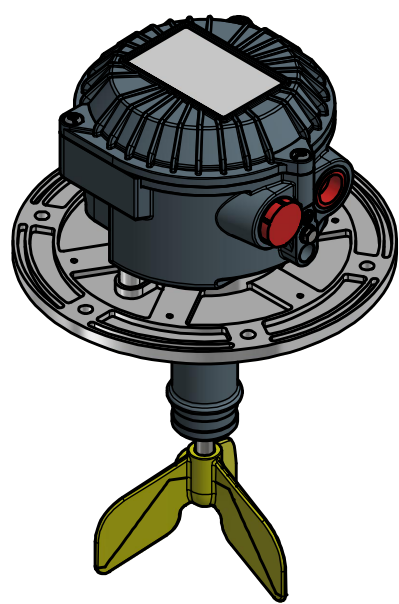
Model	PFG05
Weight	1.8 [kg]
Power supply	- Bivoltage 115/230[V] (50...60Hz) - Bivoltage 24/48[V] (50...60Hz) - DC 24[V]
Consumption	4 [W] max
Signal	SPDT / max. 10[A]-250VAC / 0,5[A]-24VDC
IP grade	IP65
Housing	Aluminium (powder coated)
Connection	G 2" 1/2 - Aluminium
Ambient temperature	-20 < Ta < +70 [°C] -40 < Ta < +70 [°C] LOW TEMPERATURE VERSION ONLY
Process temperature	-20 < Tp < +70 [°C]
Pressure range	+0,8 ... +1,1 bar [abs] +0.8 ... +5 bar [abs] (non-ATEX version)
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 IP65Da/Db Ex II 3 D Ex tc IIIB T85°C Dc (Lamp version)
IECEX Marking	Ex ta/tb IIIC T85°C Da/Db

03	27/05/26	Agg. generale + portata contatti	0017/26	Salati A.
REV.	DATA - Date	DESCRIZIONE MODIFICA - Description of the change	ID	DIS./VER. - Drawn/Checked

CODICE - Code 0602_0001_00		DESCRIZIONE - Description SCHEMA TECNICA PFG05							
CAMLogic® Via dell' Industria, 12 42025 Cavriago (RE) - Italy www.camlogic.it Tel. 0522 942641		DISEGNATO Drawn by Colli S.		SCALA Scale 1 : 2,5					
		DATA Date 25/07/25		FORMATO Format A3					
		LE DIMENSIONI SONO ESPRESSE IN mm SALVO DIVERSA INDICAZIONE All dimension are in mm unless otherwise indication				FOGLIO Sheet 1		DI Of 5	REV 03
		FILE CAD Cad File 0602_0001_00-03.idw		MASSA Mass 1.49		kg			



PFG05 F



OPTIONS											
MAX 10A / 250 V AC 0,5A / 24V DC						VOLTAGE CONTROL					
						ROTATION CONTROL					
NO	COM	NC	NO	COM	NC			230	115	[N]	[N]
11	10	9	8	7	6	5	4	3	2	1	1
SIGNAL 2			SIGNAL 1			ALARMS		POWER SUPPLY			

OPTIONS											
MAX 10A / 250 V AC 0,5A / 24V DC						VOLTAGE CONTROL					
						ROTATION CONTROL					
NO	COM	NC	NO	COM	NC			48	24	[N]	[N]
11	10	9	8	7	6	5	4	3	2	1	1
SIGNAL 2			SIGNAL 1			ALARMS		POWER SUPPLY			

OPTIONS											
MAX 10A / 250 V AC 0,5A / 24V DC						VOLTAGE CONTROL					
						ROTATION CONTROL					
NO	COM	NC	NO	COM	NC			-	±24	±24	
11	10	9	8	7	6	5	4	3	2	1	1
SIGNAL 2			SIGNAL 1			ALARMS		POWER SUPPLY			

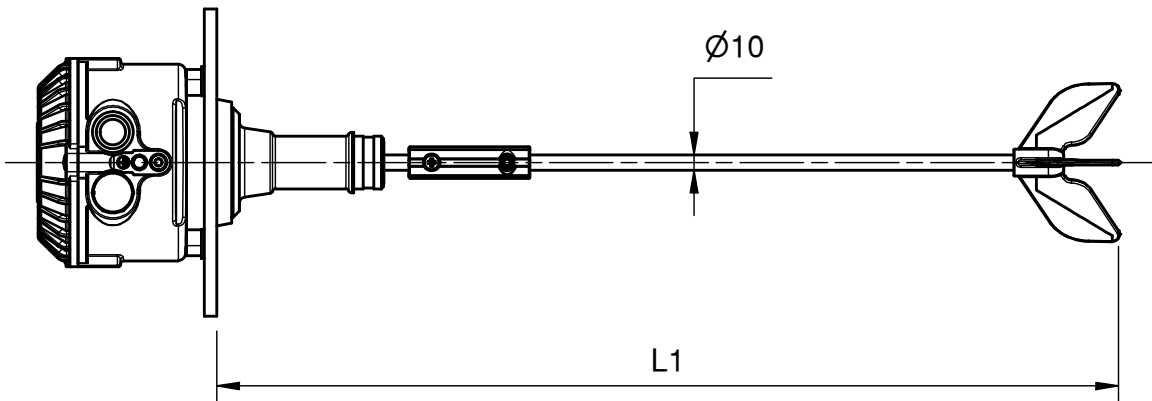
TERMINALS: male FASTON (.250 series / 6,3x0,8 mm)
see OPTIONS for more

Model	PFG05 F
Weight	1.8 [kg]
Power supply	- Bivoltage 115/230[V] (50...60Hz) - Bivoltage 24/48[V] (50...60Hz) - DC 24[V]
Consumption	4 [W] max
Signal	SPDT / max. 10[A]-250VAC / 0,5[A]-24VDC
IP grade	IP65
Housing	Aluminium (powder coated)
Connection	G 2" 1/2 - Aluminium
Ambient temperature	-20 < Ta < +70 [°C] -40 < Ta < +70 [°C] LOW TEMPERATURE VERSION ONLY
Process temperature	-20 < Tp < +70 [°C]
Pressure range	+0,8 ... +1,1 bar [abs] +0.8 ... +5 bar [abs] (non-ATEX version)
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 IP65Da/Db Ex II 3 D Ex tc IIIB T85°C Dc (Lamp version)
IECEX Marking	Ex ta/tb IIIC T85°C Da/Db

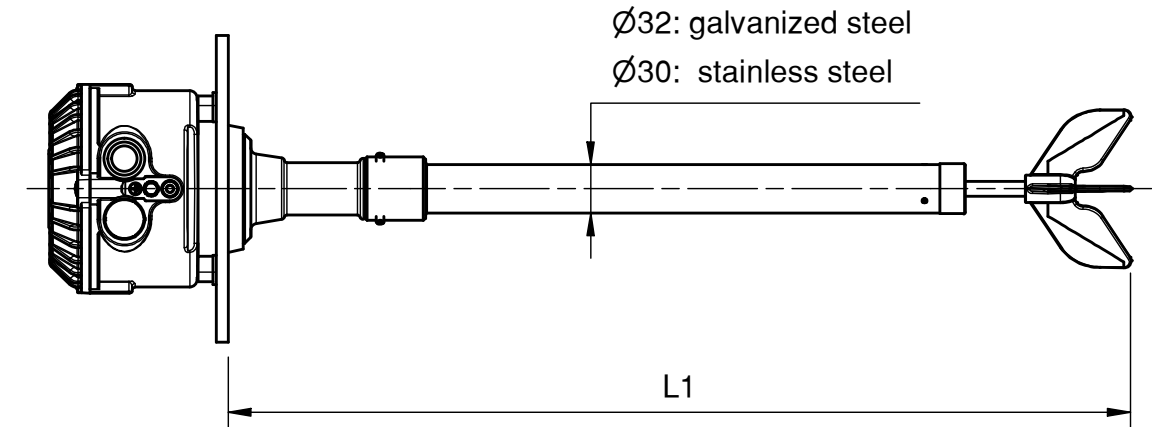
03	27/05/26	Agg. generale + portata contatti	0017/26	Salati A.
REV.	DATA - Date	DESCRIZIONE MODIFICA - Description of the change	ID	DIS./VER. - Drawn/Checked
CODICE - Code		DESCRIZIONE - Description		
0602 0001 00		SCHEMA TECNICA PFG05		
DISEGNATO		Colli S.	SCALA	1 : 2,5
DATA		25/07/25	FORMATO	A3
LE DIMENSIONI SONO ESPRESSE IN mm SALVO DIVERSA INDICAZIONE			FOGLIO	2
All dimension are in mm unless otherwise indication			DI	5
FILE CAD		0602_0001_00-03.idw	MASSA	2.36
Cad File			kg	03

EXTENSIONS

Extension w/o protection
PSP : galvanized steel
PSPX : stainless steel

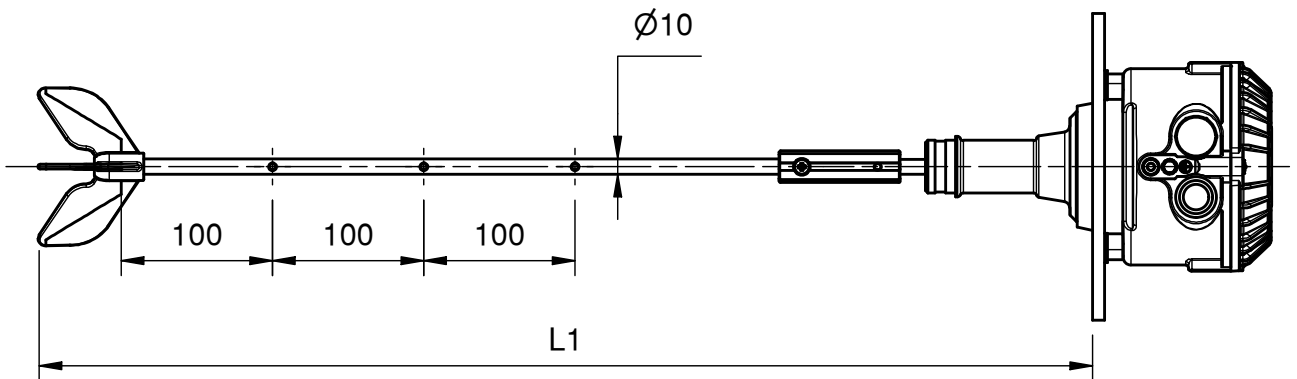


Extension with external protection
PCP : galvanized steel
PCPX : stainless steel

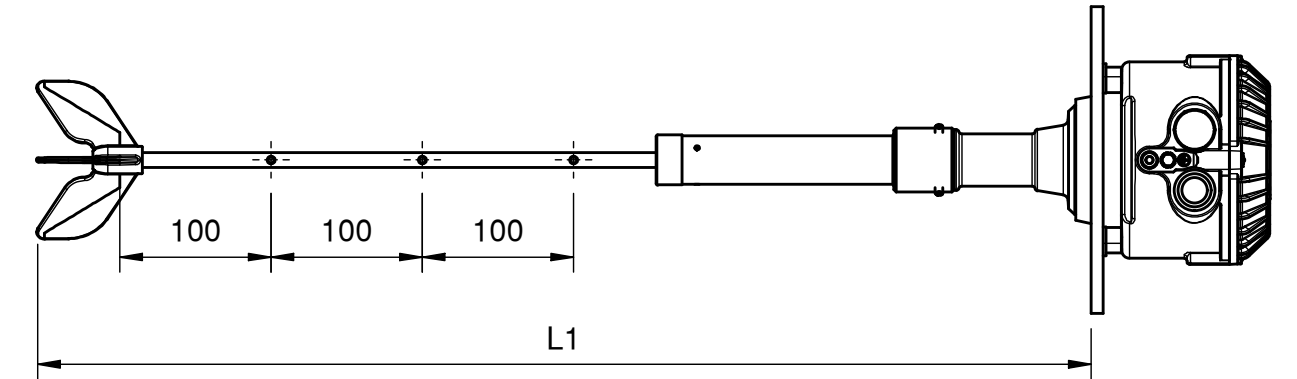


L1 [mm]
300
400
500
600
700
800
900
1000
1200
1500
1800
2000
2500
3000
other lengths available on request, up to 3m

L1 [mm]
600
700
800
900
1000
1200
1500
1800
2000
2500
3000
other lengths available on request, up to 3m

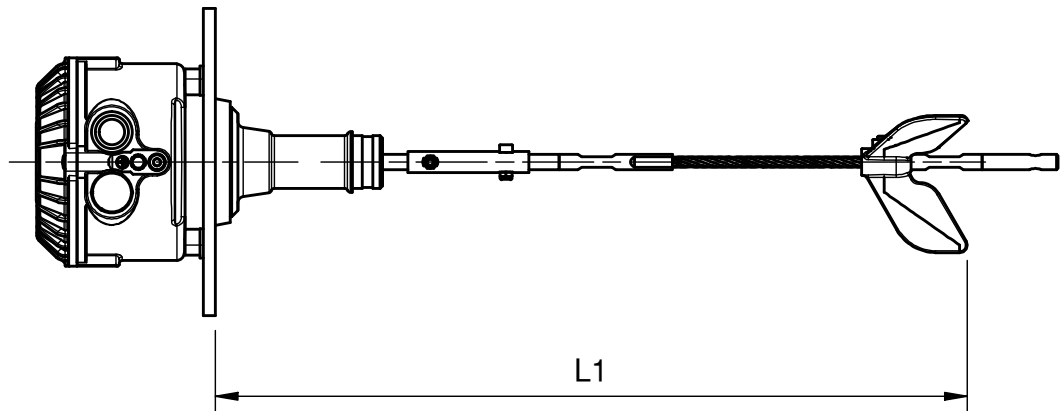


Adjustable xtension
w/o protection
PRS : galvanized steel
PRSX : stainless steel



Extension with external protection
PRP : galvanized steel
PRPX : stainless steel

Flexible extension
PF : galvanized steel



L1 [mm]
500
600
700
800
900
1000
1200
1500
1800
2000
2500
3000
4000

L1 [mm]
5000
6000
7000
8000
9000
10000
11000
12000
other lengths available on request, up to 3m

NOTE : lengths may slightly differ from the tables according to the type of connection, model and paddle chosen

0327/05/26Agg. generale + portata contatti0017/26Salati A.

REV. DATA - DateDESCRIZIONE MODIFICA - Description of the changeIDDIS./VER. - Drawn/Checked

CODICE - Code0602 0001 00


Via dell' Industria, 12
42025 Cavriago (RE) - Italy
www.camlogic.it

DESCRIZIONE - DescriptionSCHEDA TECNICA PFG05

DISEGNATO
Drawn byColli S.

DATA
Date25/07/25

LE DIMENSIONI SONO ESPRESSE IN mm SALVO DIVERSA INDICAZIONE
All dimension are in mm unless otherwise indication

FILE CAD
Cad File0602_0001_00-03.idw

SCALA
Scale1 : 5

FORMATO
FormatA3

FOGLIO
Sheet3

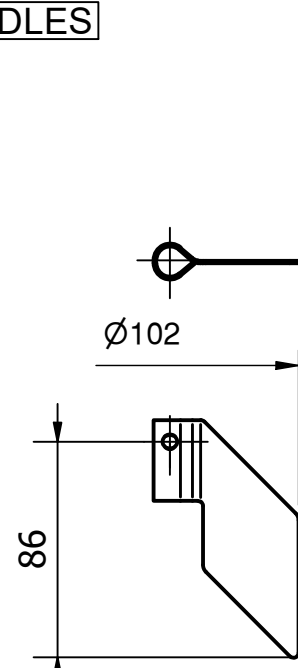
DI
Of5

MASSA
Mass2,63 kg

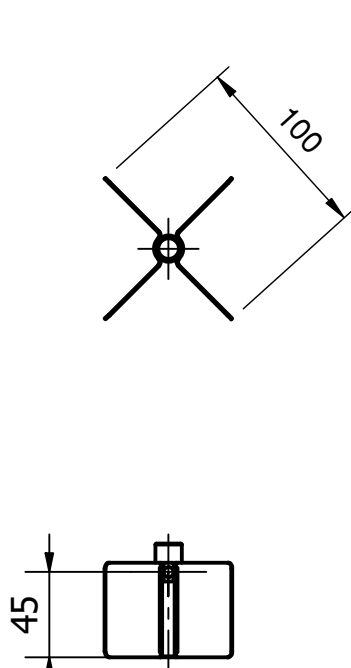
REV.03

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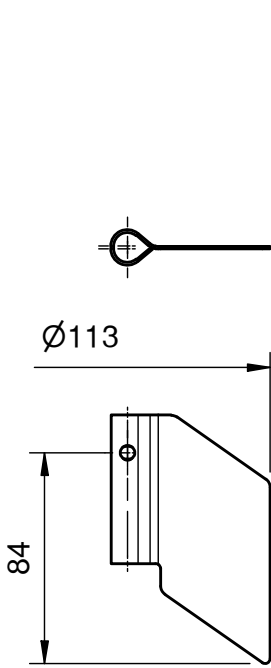
PADDLES



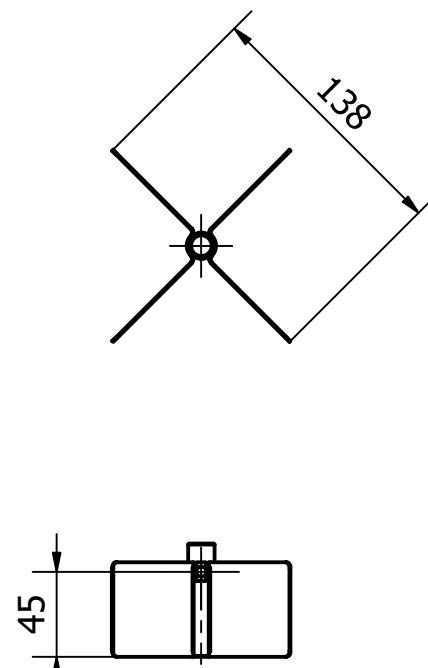
AC1 INOX
AISI 304
AISI 316
density > 1.0 kg/dm3



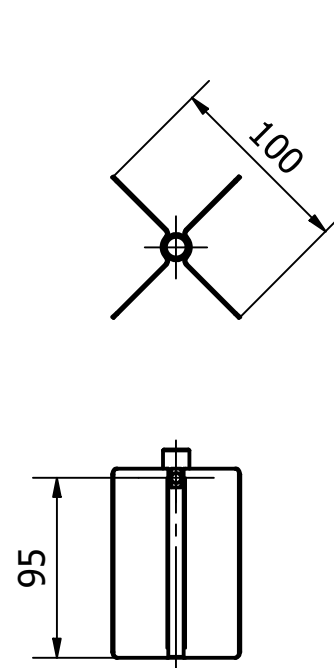
AC3 INOX
AISI 304
AISI 316
density > 0.3 kg/dm3



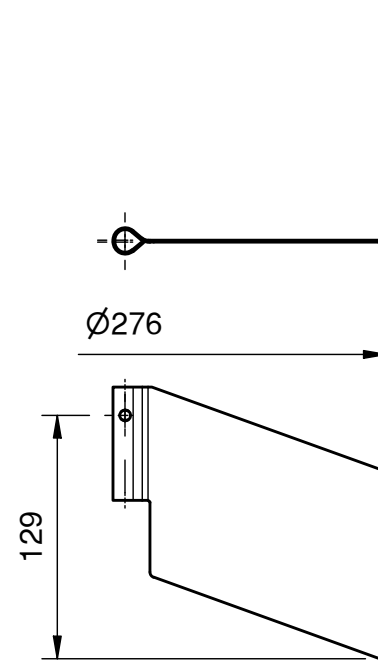
AC4 INOX
AISI 304
density > 0.5 kg/dm3



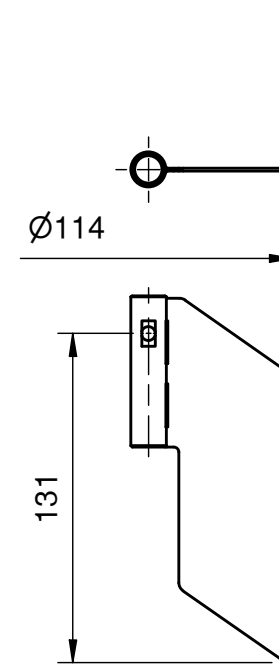
AC5 INOX
AISI 304
density > 0.2 kg/dm3



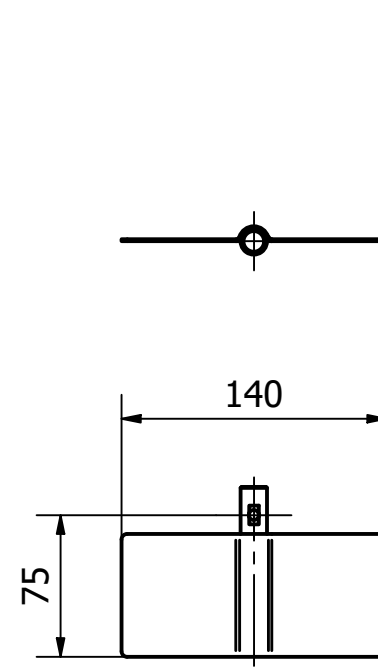
AC5L INOX
AISI 304
AISI 316
density > 0.2 kg/dm3



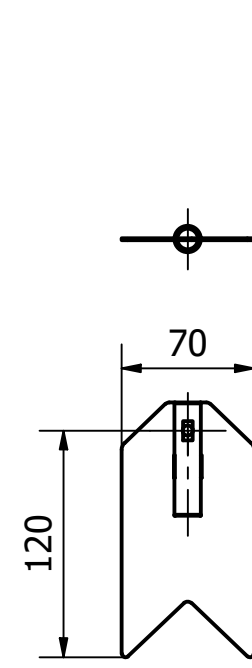
AC6 INOX
AISI 304
density > 0.1 kg/dm3



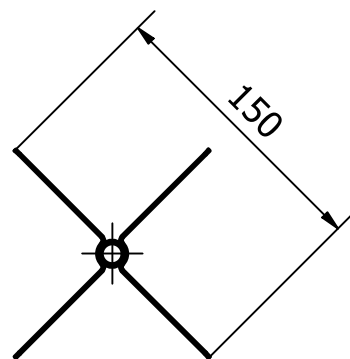
AC7 INOX
AISI 304
density > 0.3 kg/dm3



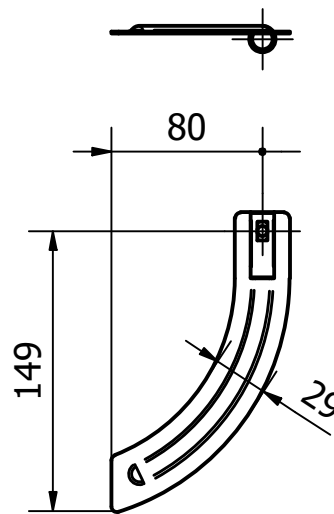
AC9 INOX
AISI 304
density > 0.2 kg/dm3



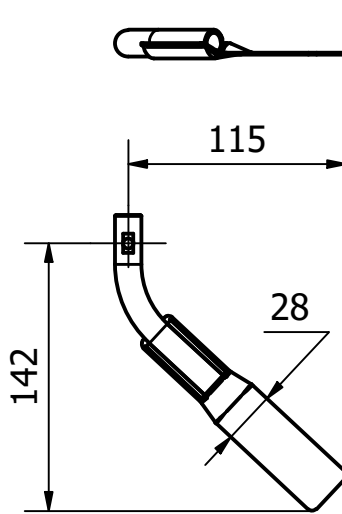
AC10 INOX
AISI 304
density > 0.6 kg/dm3



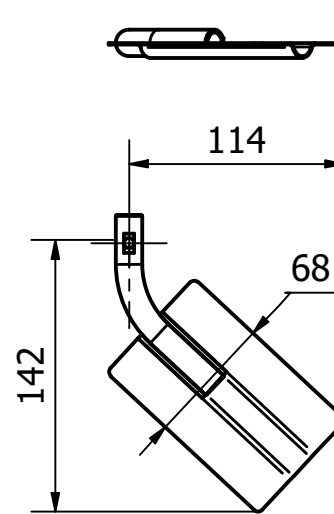
AC11 INOX
AISI 304
density > 0.1 kg/dm3



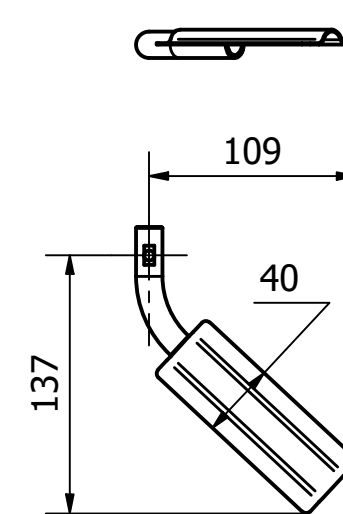
AC12 INOX
AISI 304
AISI 316
density > 0.4 kg/dm3



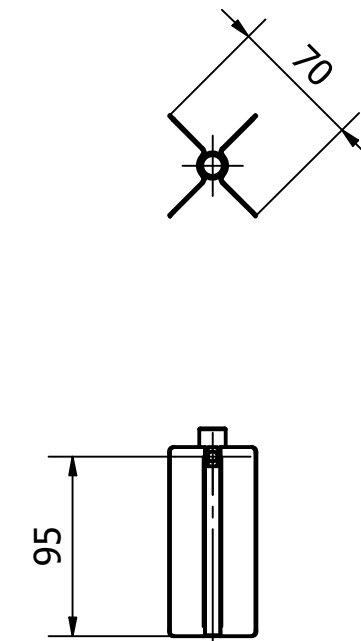
AC14 INOX
AISI 304
density > 0.4 kg/dm3



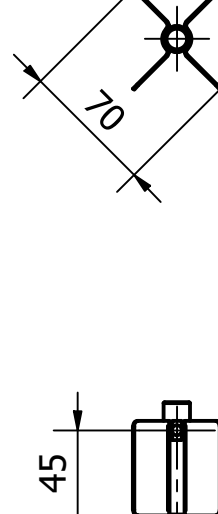
AC15 INOX
AISI 304
density > 0.2 kg/dm3



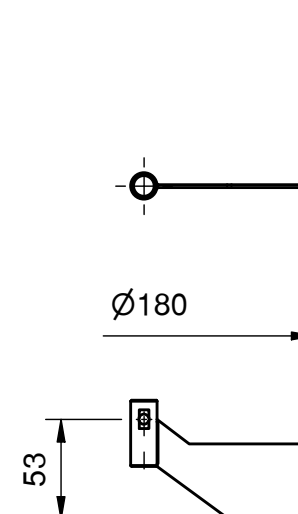
AC16 INOX
AISI 304
density > 0.3 kg/dm3



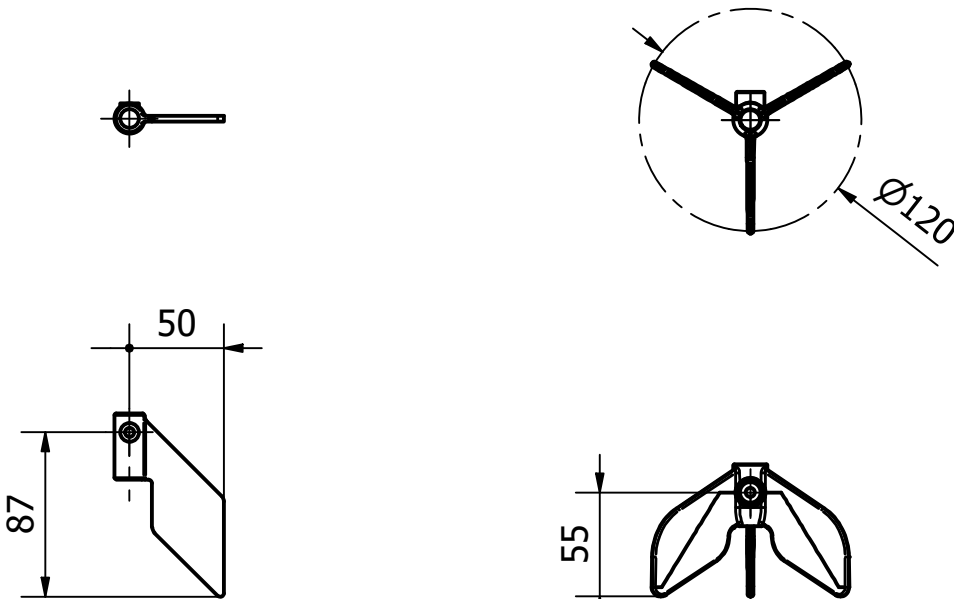
AC17 INOX
AISI 304
density > 0.4 kg/dm3



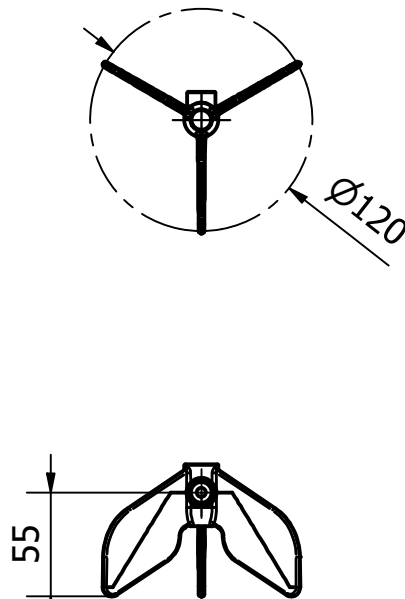
AC18 INOX
AISI 304
density > 0.7 kg/dm3



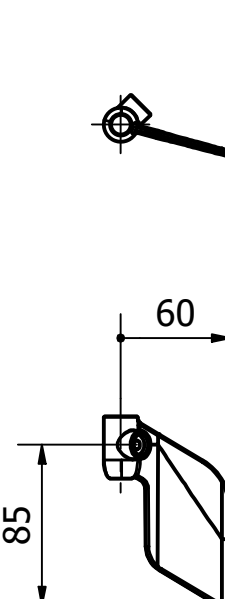
AC21 INOX
AISI 304
AISI 316
density > 0.25 kg/dm3



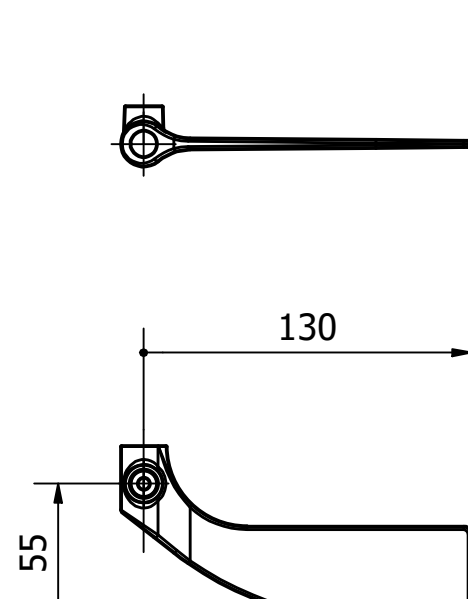
AC1 PLA
PA 6
density > 1.0 kg/dm3



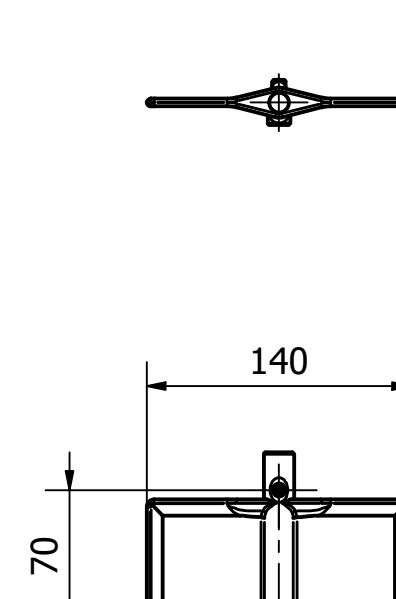
AC2 PLA
PA 6
density > 0.3 kg/dm3



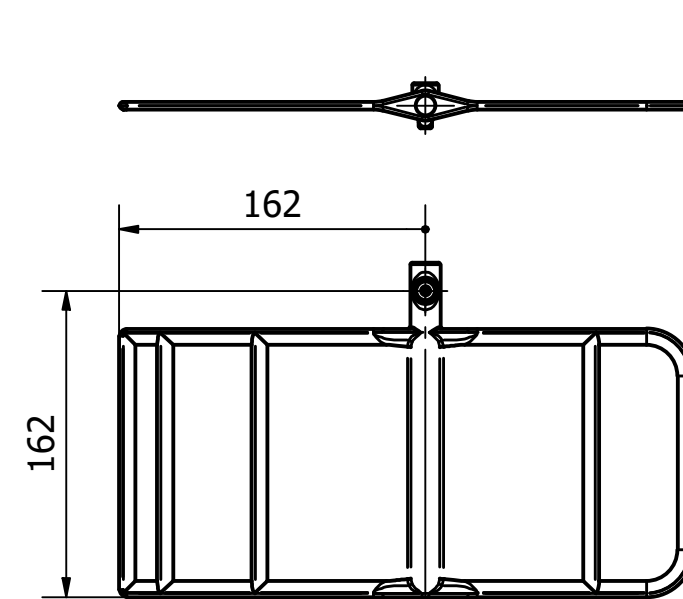
AC4 PLA
PA 6
density > 0.5 kg/dm3



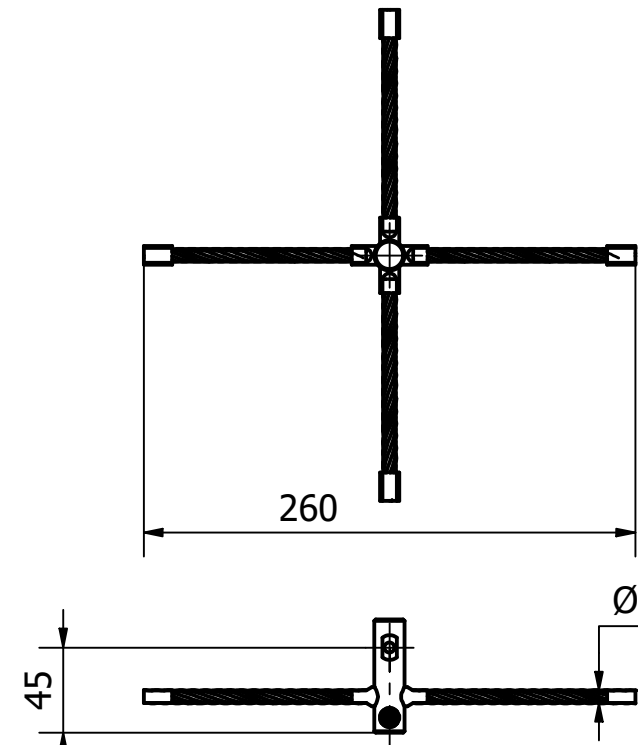
AC19PLA1
Lathiom 52/11-08 PD02
density > 0.3 kg/dm3



AC9 PLA
PA 6
density > 0.2 kg/dm3



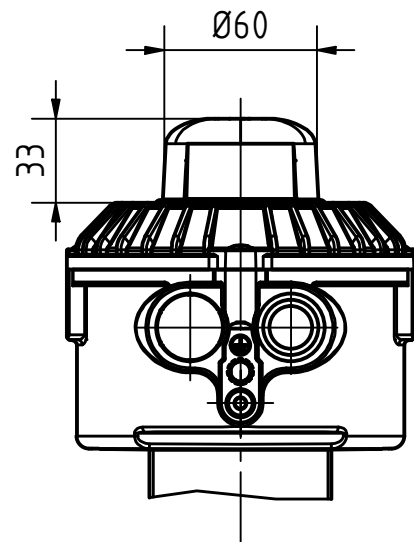
AC13 PLA
PA 6
density > 0.02 kg/dm3



AC8
galvanized steel (wires)
density > 2.0 kg/dm3

03	27/05/26	Agg. generale + portata contatti	0017/26	Salati A.
REV.	DATA - Date	DESCRIZIONE MODIFICA - Description of the change	ID	DIS./VER. - Drawn/Checked
CODICE - Code		DESCRIZIONE - Description		
0602_0001_00		SCHEDA TECNICA PFG05		
DISEGNATO		Colli S.	SCALA	1:3
Drawn by			Scale	
DATA		25/07/25	FORMATO	A2
Date			Format	
LE DIMENSIONI SONO ESPRESSE IN mm SALVO DIVERSA INDICAZIONE			FOGLIO	4
All dimension are in mm unless otherwise indication			Sheet	5
FILE CAD		0602_0001_00-03.idw	MASSA	0,03
Cad File			Mass	kg
Via dell'Industria, 12				
42025 Cavriago (RE) - Italy				
www.camlogic.it				
Tel. 0522 942641				
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OPTIONS



SIGNAL LAMP (PFG05.../L)

Adds a LED lamp on top. The lamp could be connected to NC contact (MIN level - empty), or NO contact (MAX level - full).

Must define a single power supply voltage:

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

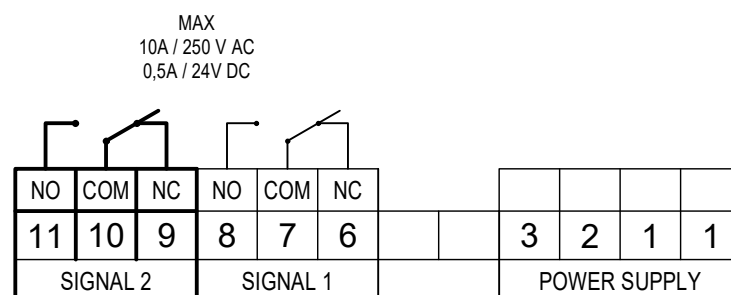
NOTE

Model with lamp can be installed only in Atex zone 22

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

DOUBLE DRY CONTACT

Adds a second signal contact SPDT (terminals 9-10-11)



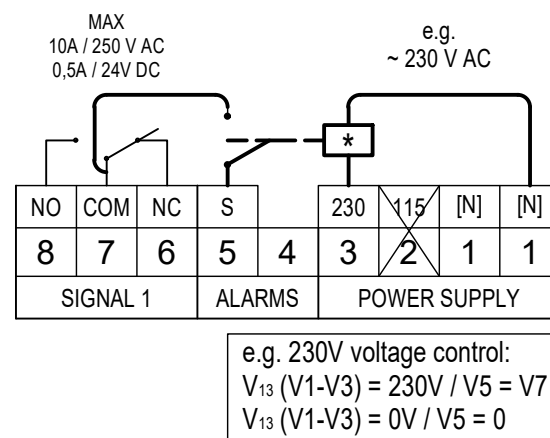
VOLTAGE CONTROL (PBC version > V5)

Adds an alarm in case of power supply failure.

When power supply is ON, a realy closes terminals 5 and 7

Must define a single power supply voltage (*):

- 24 [V] AC/DC
- 48 [V] AC
- 115 [V] AC
- 230 [V] AC (see example)

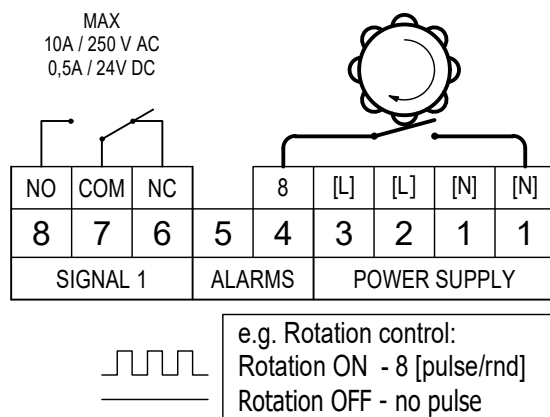


ROTATION CONTROL

Adds a signal to indicate shaft rotation.

When the shaft rotates, a microswitch generates a pulse signal (8 pulse / rotation) between terminals 1 and 4.

On request, it is possible to have the pulsed signal between terminals 4 and 7.



LOW TEMPERATURE (PFG05.../B)

Extends the range of use of the indicator down to a minimum temperature of -40°C.

Intelligent automatic operation: when the temperature exceeds +20°C it stops heating (heating OFF), it is reactivated when the temperature falls again below +20°C (heating ON).

Must define a single power supply voltage:

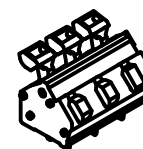
- 24 [V] AC/DC
- 48 [V] AC
- 115[V] AC
- 230[V] AC (see example)

SPRING TERMINAL BLOCK

Terminals with spring terminal design.

No tool needed for wires connection.

0.13 - 2.5 mm2 (AWG26 - AWG14)

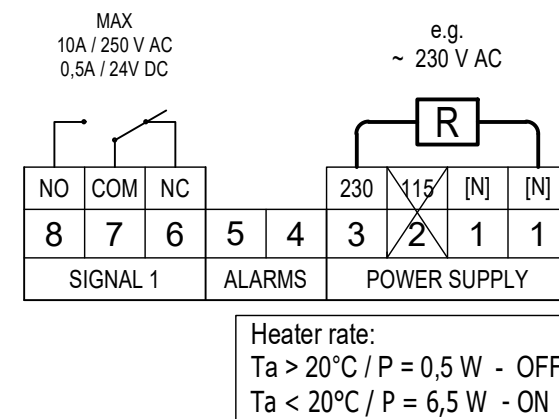
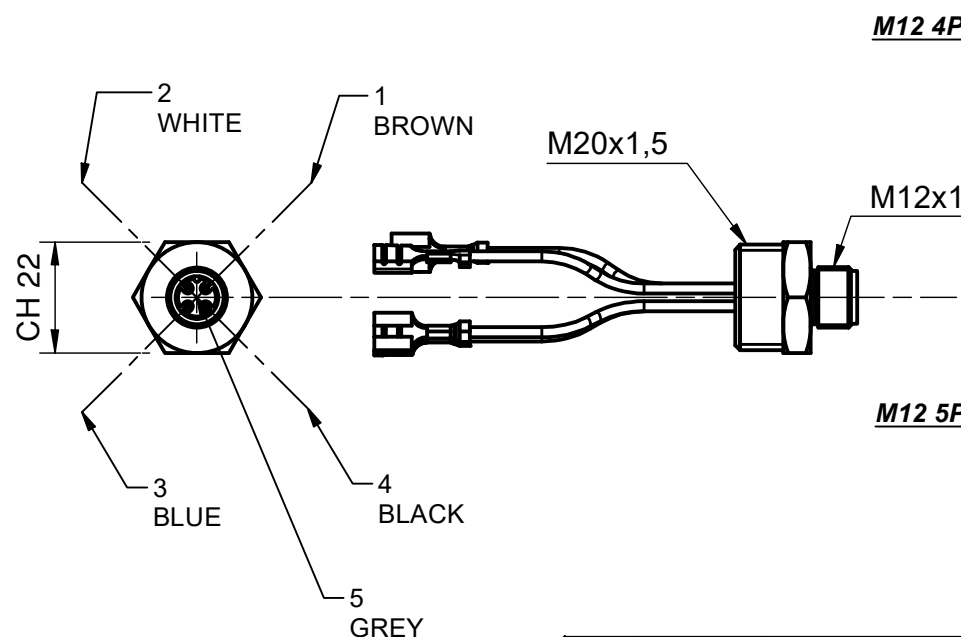


4rpm GEARMOTOR

Increase paddle speed (4rpm) to reduce product detection delay time (response time about 1.5s)

M12 CIRCULAR CONNECTOR

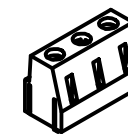
Through a M20x1,5 threaded reduction mounted in one of the cable entries of the level indicato, it is possible to use the 4/5 poles M12 connector for a quick and reliable connection. Available only for 24 V power supply (DC), maximum contacts capacity 4A.



SCREW TERMINAL BLOCK

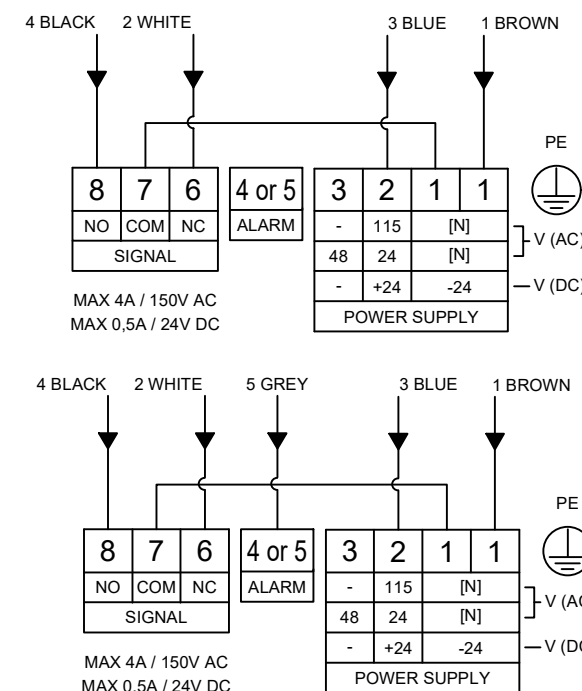
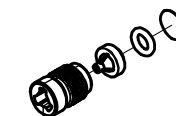
Terminals with screw terminal design (flat head).

0.05 - 2.5 mm2 (AWG30 - AWG12)



CONDENSATION FILTER

It allows exchange of air temperature and pressure with the ambient, preventing the formation of condensation. The option does not alter the IP grade and the Ex marking of the advice.



03	27/05/26	Agg. generale + portata contatti	0017/26	Salati A.
REV.	DATA - Date	DESCRIZIONE MODIFICA - Description of the change	ID	DIS./VER. - Drawn/Checked
CODICE - Code		DESCRIZIONE - Description		
0602_0001_00		SCHEDA TECNICA PFG05		
DISEGNATO		Colli S.	SCALA	1:3
DATA		25/07/25	FORMATO	A3
LE DIMENSIONI SONO ESPRESSE IN mm SALVO DIVERSA INDICAZIONE		All dimension are in mm unless otherwise indication	FOGLIO	5
FILE CAD		0602_0001_00-03.idw	DI	5
Cad File			MASSA	2,05
			kg	03