



LIMIT SWITCH BOX

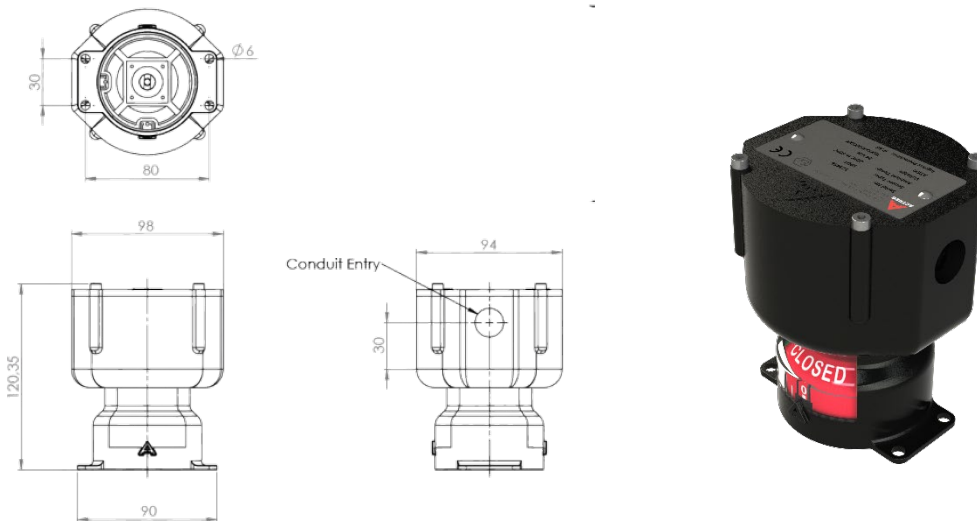
PRODUCT DATA SHEET



Manufacturing program:



GENERAL CHARACTERISTICS

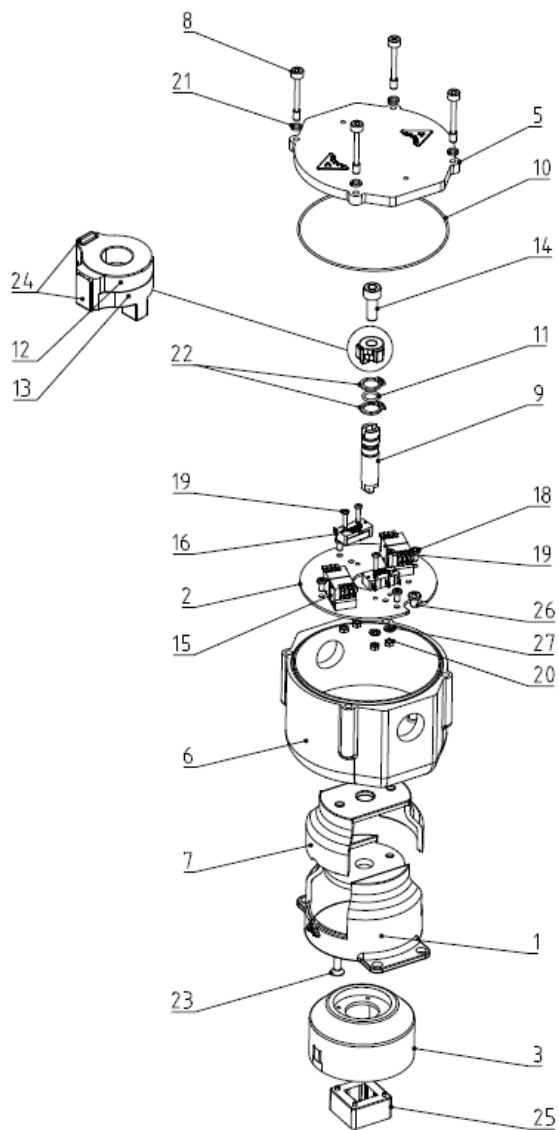


Nominal operating voltage	(M), (O), (OA) 30Vdc (I), (N), (NA) 8,2Vdc	
Max. Output current	(M) 5A (I), (NA) 30mA (N), (O), (OA) 100mA	
Setting range of angular detection	0-90° (every 15°)	
Standard connection device	VDI/VDE (3845) size AA2 (15714-3)	
Product weight (Kg.)	800 gr	
Sensor type	Mechanical SPDT (QM series), treated as simple elements Inductive, NBB2-V3-Z4L, NCB2-V3-N0 (Ex Ia), NBB2-V3-E2, NBB2-V3-E2-3G-3D, NS5002 (Ex Ia)	
ATEX Certification	(M)* II 2G Ex ia IIC T5 Gb / II 2D Ex ia IIIC T135 °C Db Ii:250 mA Pi:617 mW (N) II 2G Ex ia IIC T4 Gb / II 2D Ex ia IIIC T135 °C Db Ui:16 V Ii:52 mA Pi:169 mW Ci:100 nF Li:100 µH (NA) II 2G Ex ia IIC T5 Gb / II 2D Ex ia IIIC T200 90 °C Db Ui:15 V Ii:50 mA Pi:120 mW Ci:80 nF Li:110 µH	*For variant M, the mechanical switches are considered simple mechanical elements. The ATEX marking shown corresponds to the certified PI-HP assembly, not to the individual switch.
Body	Aluminium 46100	

GENERAL CHARACTERISTICS

Conduit Size Options	2 x M20x1,5
	2 x 1/2" NPT
Sensors Options	2 x SPDT mechanical switch (3 wires)
	2 x Inductive sensor (2 or 3 wires)
	2 x Inductive sensors Ex ia (2 wires)
Adjustable Stopper	15° Increments
Voltage	(M), (N), (O), (OA) 30Vdc, (I), (NA) 8,2Vdc
Ambient Temperature	-20°C to 80°C

PART & MATERIALS



Item	Description	Material	Qty.
1	Base	ADC12/Al	1
2	PCB-Plate	PA66 + 30%GF	1
3	PI-HP2-01	PA66 + 30%GF	1
5	Cap	ADC12/Al	1
6	Body	ADC12/Al	1
7	Cover	Makrolon/PC	1
8	Bolt Allen	AISI 304	4
9	Shaft	AISI 304	1
10	O-Ring	NBR	1
11	O-Ring	NBR	1
12	Cam 1	ABS	1
13	Cam 2	ABS	1
14	Bolt Allen	AISI 304	1
15	Terminal	S/F	4
16	Micro switch	S/F	2
18	Bolt Allen	AISI 304	4
19	Bolt	AISI 304	4
20	Nut	AISI 304	4
21	Spring Washer	AISI 304	4
22	Retaining Ring	F141 + Nickel	2
23	Bolt Allen	AISI 304	2
24	Metal	AISI 301	2
25	PI-HP-ADAPT-HP2	PA66+30%GF	1
26	Bolt	AISI 304	1
27	Washer	AISI 304	4

CHARACTERISTICS LABEL

Safe Area




C/ DE L'ENERGIA, 15-25
Naves 1-2, 08850 GAVÀ
BARCELONA (ESPAÑA)
www.actreg.com

Serial N°: _____
Model: _____
Sensor type: _____
Working temp. range: _____ °C

ATEX




C/ DE L'ENERGIA, 15-25
Naves 1-2, 08850 GAVÀ
BARCELONA (ESPAÑA)
www.actreg.com

Serial N°: _____ Year: _____
Model: _____ W.Temp: _____ °C
Sensor type: _____
Ui: _____ V li: _____ mA Pi: _____ mW
Li: _____ mH
Ci: _____ nF


LOM26ATEX0000X

POSITION INDICATOR COLORS

Green and Red



Yellow and Red



Yellow and Black



Yellow and Blue



ORIENTATION

The limit switch box is orientable,
it can turn 90 degrees.



LIMIT SWITCH BOX CODIFICATION

LSB PI-HP - M - GR - 1 - A - S

SAFE AREA SENSOR

M	2 x Mechanical SPDT; (NO/NC)
I	2 x Inductive sensor – P&F model NBB2-V3-Z4L; NO; 2 wires
N	2 x Inductive NAMUR sensor – P&F model NCB2-V3-N0; NC; 2 wires
NA	2 x Inductive NAMUR sensor – IFM model NS5002; NC; 2 wires
O	2 x Inductive sensor – P&F model NBB2-V3-E2 NO; 3 wires; Safe Area
OA	2 x Inductive NAMUR sensor – P&F model NBB2-V3-E2-3G-3D; NO; 3 wires

ATEX ia SENSOR

M	2 x Mechanical SPDT; (NO/NC)
N	2 x Inductive NAMUR sensor – P&F model NCB2-V3-N0; NC; 2 wires
NA	2 x Inductive NAMUR sensor – IFM model NS5002; NC; 2 wires

POSITION INDICATOR

GR	GREEN (Open) – RED (Closed)
YR	YELLOW (Open) – RED (Closed)
YBK	YELLOW (Open) – BLACK (Closed)
YBU	YELLOW (Open) – BLUE (Closed)
-	Without Position Indicator

CONDUIT ENTRIES

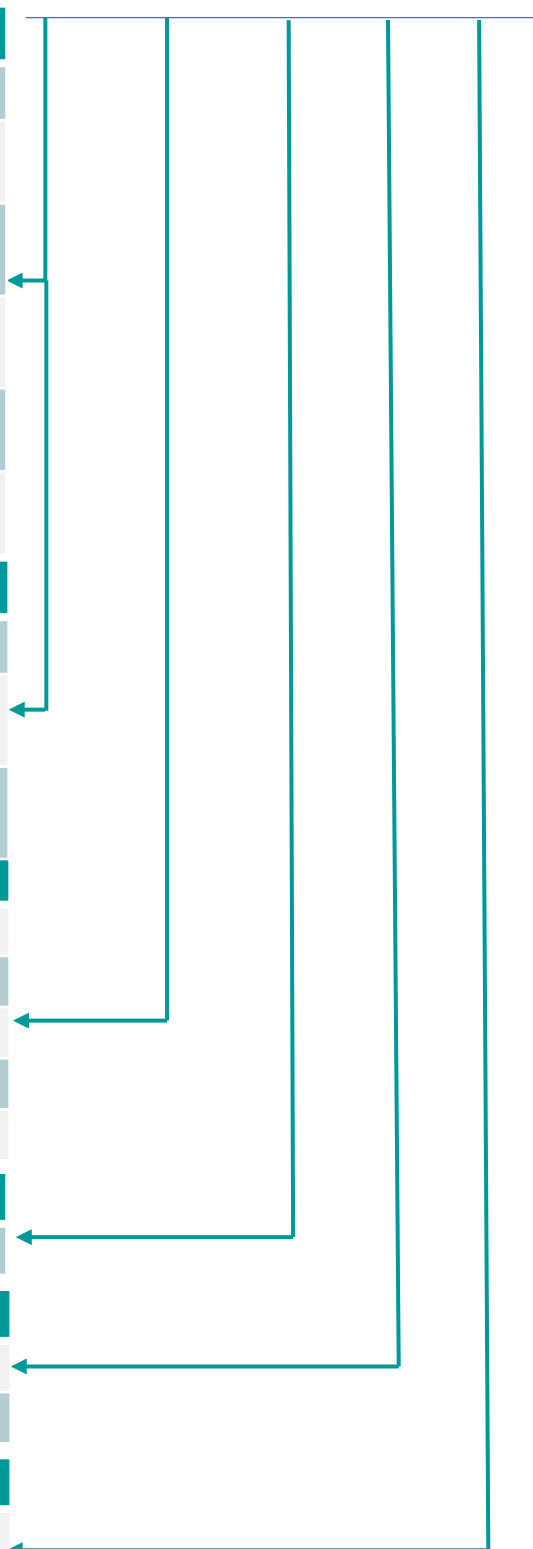
1	2 x M20 x 1,5
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POSITION INDICATOR ADAPTER

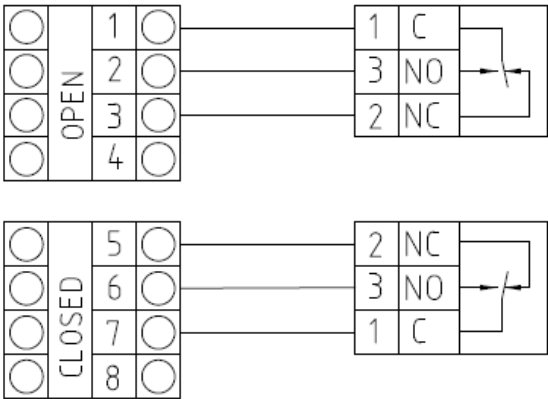
A	Square Adapter (27 to 14mm)
-	Without Adapter

CERTIFICATION

S	Safe Area
A	ATEX Ex ia

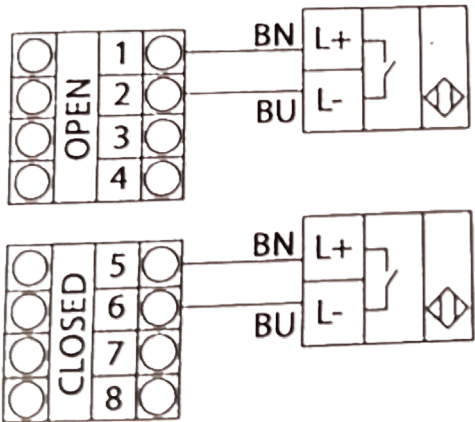


MECHANICAL SENSOR

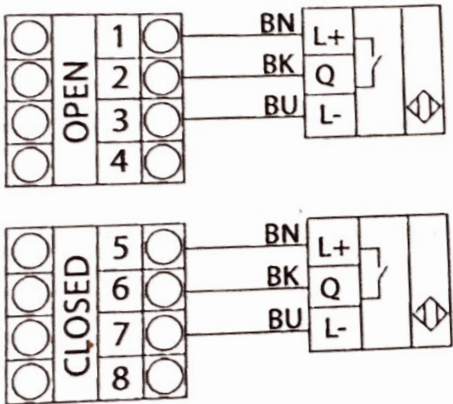


INDUCTIVE SENSOR

2 Wires Sensor



3 Wires Sensor





For further information visit our website

www.actreg.com



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