



LIMIT SWITCH BOX (Ex d)

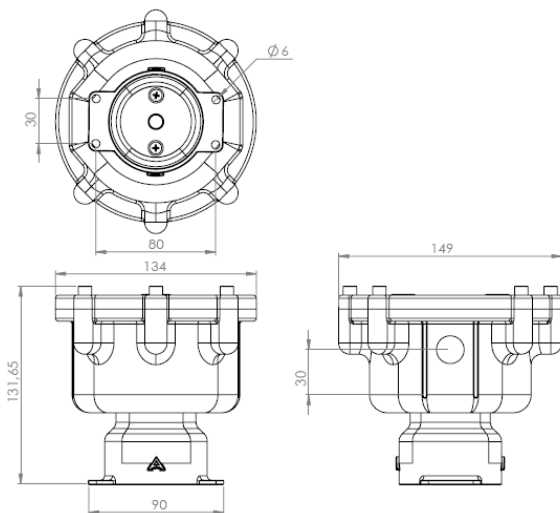
PRODUCT DATA SHEET



Manufacturing program:



GENERAL CHARACTERISTICS



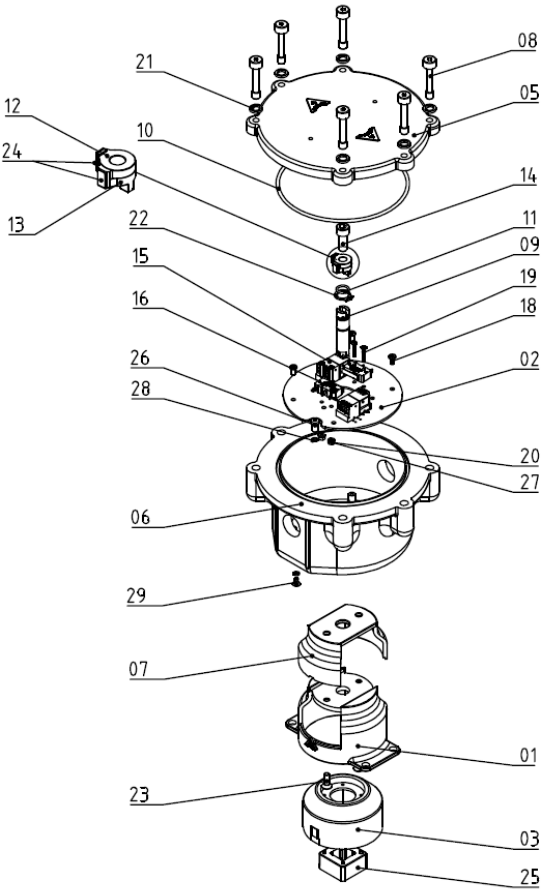
Nominal operating voltage	(M), (N), (O), (OA) 30Vdc (I), (NA) 8,2Vdc	
Max. Output current	(M) 5A (I), (NA) 30mA (N), (O), (OA) 100mA	
Setting range of angular detection	0-90° (every 15°)	
Standard connection device	VDI/VDE (3845) size AA2 (15714-3)	
Product weight (Kg.)	1500 gr	
Sensor type	Mechanical (QM50) Inductive NBB2-V3-Z4L, NCB2-V3-N0, NBB2-V3-E2, NBB2-V3-E2-3G-3D, NS5002	
ATEX Certification	II 2G Ex d IIC T6 Gb / II 2D Ex tb IIIC T85 °C Db	
Body	Aluminium ADC12 / Stainless Steel CF8M	

The ATEX certification applies to the PI-DX enclosure/assembly. Internal switch or sensor configurations may vary according to the selected model.

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)
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
28	Spring Whaser	AISI 304	4
29	Bolt	AISI 304	2

CHARACTERISTICS LABEL

ATEX



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

Serial N°: _____ Year: _____

Model: _____ T.Amb _____ °

Sensor type: _____

U: _____ V I: _____ A/mA Pdiss max: _____ W

 _____

LOM26ATEX0000X

DO NOT OPEN WHEN AN
EXPLOSIVE ATMOSPHERE
MAY BE PRESENT

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 - DX - M - GR - 1 - A

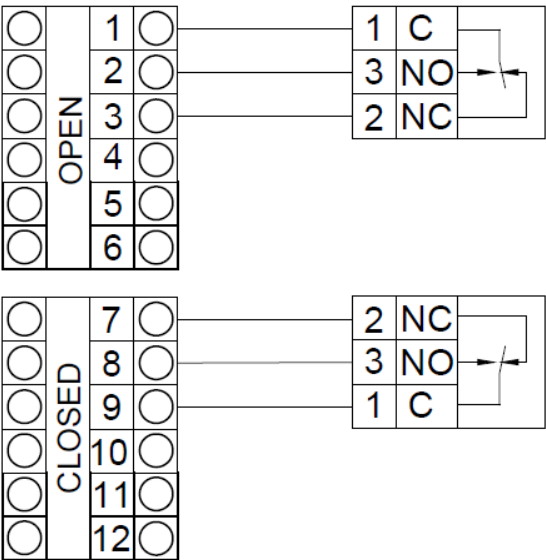
SENSOR	
M	2 x Mechanical SPDT
I	2 x Inductive sensor – P&F model NBB2-V3-Z4L; NO; 2 wires
N	2 x Inductive NAMUR sensor – P&F model NCB2-V3-N0; NC; 2 wires
NA	2 x Inductive NAMUR sensor – IFM model NS5002; NC; 2 wires
O	2 x Inductive sensor – P&F model NBB2-V3-E2 NO; 3 wires
OA	2 x Inductive sensor –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

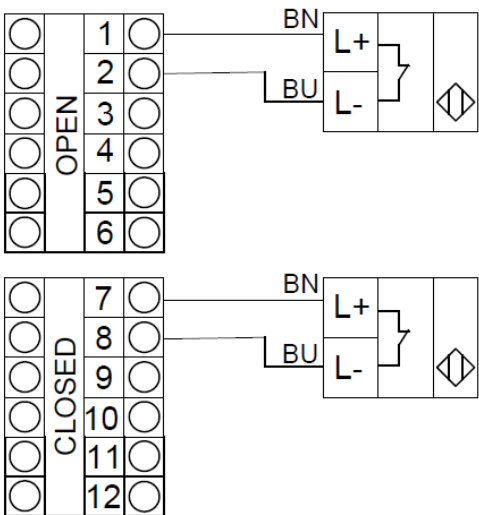
POSITION INDICATOR ADAPTER	
A	Square Adapter (27 to 14mm)
-	Without Adapter

MECHANICAL SENSOR

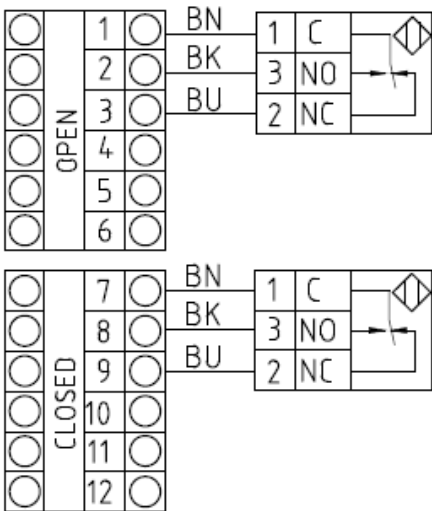


INDUCTIVE SENSOR

2 Wires Sensor



3 Wires Sensor





For further information visit our website

www.actreg.com



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