RELEASE RELAY (Slam Shuts DN 200 and 250mm)

CHARACTERISTICS

Identical to those of the OS2 (D103683X012) except for:
Max travel for the associated valve : **85 mm**

DIMENSIONS AND WEIGHTS

Table 1. *Dimensions and Weights*

		Type	Dimensions / mm			Weight / kg
			A	B	C	
BM	BM 1	for 1 BMS				4.7
	BM 2	for 2 BMS				4.7
BMS	162	Diaphragm	191	211	83	2.6
	71	Diaphragm	185	205	36	1.2
	27 or 17	Piston	214	234	36	2.3
	236	Bellows	212	232	36	2.4
	315	Bellows	233	253	36	2.8

For an OSD2 with 1 BMS add the weight of the BMS to that of the BM 1.
For an OSD2 with 2 BMS add the weight of the two BMS to that of the BM 2.

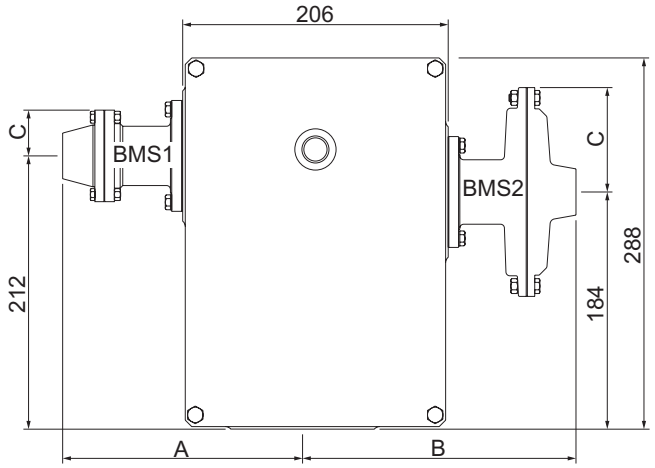

Figure 1. *OSD2 Dimensions and Weights*

Mechanism Box (BM)

DESCRIPTION AND SPARE PARTS

Table 2. *Mechanism Box Assembly*

Key	Description	OSD2 BMS1	OSD2 BMS2D
	Mechanism box	181 166	181 167
	Machined mechanism box	144 338	144 339
1	Cover O-ring	144 670	
2	BS ring	461 178	
3	Box / Connecting part O-ring	144 671	
4	Sub-assembly mechanism	181 041	
5	BMS / Mechanism box O-ring	142 931	
	BS ring for BMS	461 150	

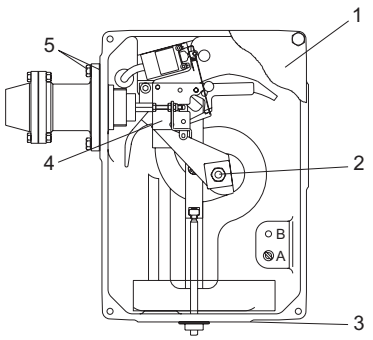

Figure 2. *Mechanism Box for one BMS*

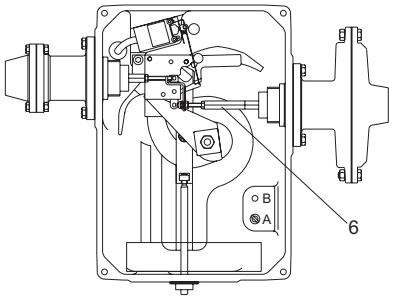

Figure 3*. Mechanism Box for two BMS*

CONNECTIONS

Table 3. *BMS Connections*

Non-connectable	Plastic vent with screen	1/4 NPT
Connectable	Link for tube 8/10	
Contact	Box exit	1/2 NPT

OPERATION

CONNECTIONS

MATERIALS

MAINTENANCE

OPTIONS

See D103683X012 OS2 instruction manual

COMMISSIONING

Nota :
- The position of the travel stop (fig. 2) depends on the type of equipment and its size, positions A or B according to the max. travel of the valve:
  A = 75 to 85 mm travel, B = 60 to 70 mm travel
- Interventions on the BM : the cover is held by 4 unremovable screws

Type OSD2

Safety Manometric Box (BMS)

DESCRIPTION AND SPARE PARTS

BMS1 See D103683X012 - OS2 instruction manual
BMS2D The safety manometric box BMS2D consists of a BMS1 and a spacer (code: 144 673 (key 6, fig. 3))

LEAD SEALING

Pass the lead wire throught the head of the 2 screws

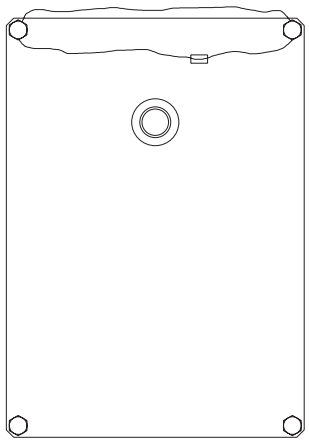

Figure 4. *BMS Box Detail for Lead Sealing*

DETECTION BMS

Table 3. *Detection Configurations Available for BMS*

		Activator	Max. only	Min. only	Max. & Min.
1 BMS	BMS1	Releasing screw	Active	Neutral	Active
		Hook	Neutral	Active	Active
2 BMS	BMS1	Releasing screw	Active		Active
	BMS2D	Releasing screw	Active	Neutral	Neutral
		Hook	Neutral	Active	Active

Nota : in the case of a two BMS assembly, the BMS1 does not have a mini. hook.

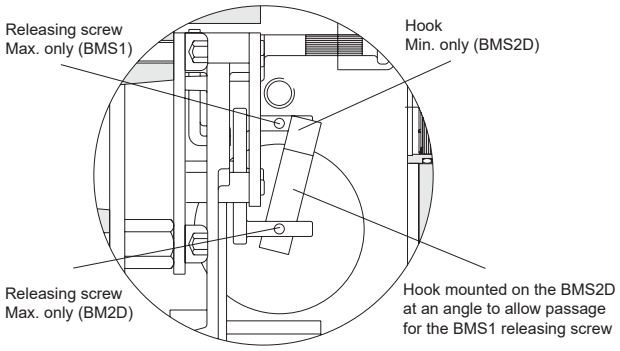

Figure 5. *BMS Details*

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