

INSTRUMENT HOUSING – type XD-I80

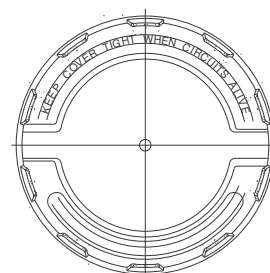
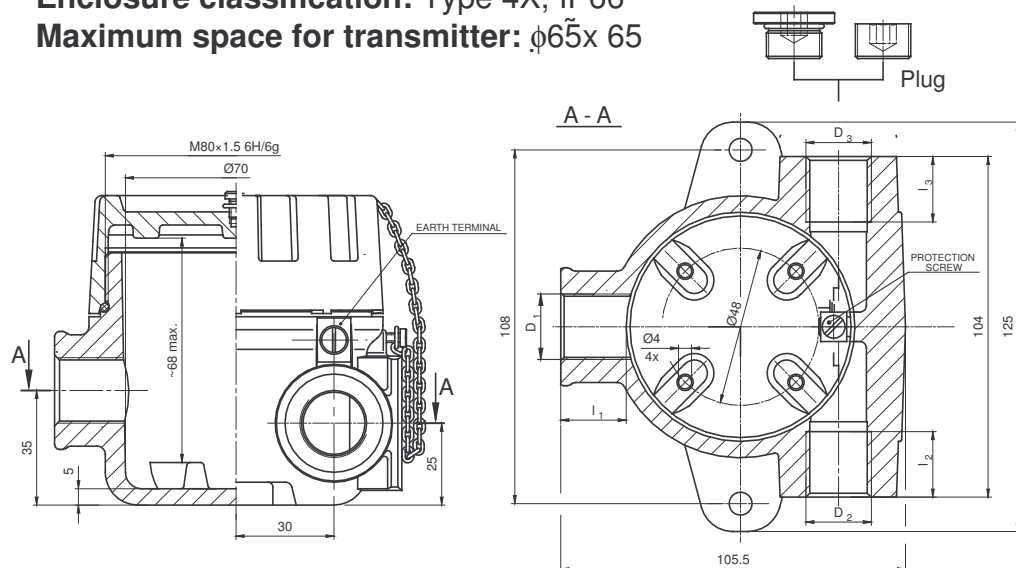
Material of body and cover: aluminium pressure die-casting, max.0,5% Mg

Ambient temperature: $T_{amb} = -40$ to 212°F (-40 to 100°C) – silicone rubber

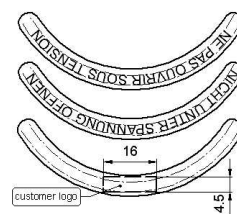
Coating: yellow chromating and chemically resistant paint (outside only)

Enclosure classification: Type 4X, IP66

Maximum space for transmitter: $\phi 65 \times 65$



Cover – top view



Second caution inscription

| STANDARD PRODUCT | | | | | | | | | |
|------------------------------|----------------------|------------------------------|----------------------|--|----------------------|---------------|-----------|--|---|
| CONDUIT | | | | PROCESS | | SEAL MATERIAL | COATING** | Second caution inscription | ORDERING EXAMPLE |
| THREAD | THREAD | THREAD | THREAD | THREAD | THREAD | | | | |
| D_3 | l_2 [mm] | D_2 | l_3 [mm] | D_1 | l_1 [mm] | | | | |
| M20x1.5 6H | 20 | M20x1.5 6H | 20 | M20x1.5 6H M24x1.5 6H M25x1.5 6H M27x2 6H | 20 | S | SEsh | in French language | XD-I80-2-M2-M2-M25-SEsh |
| | | | | 1/2 NPT mod* 3/4 NPT mod* | ~13 (7 full thds) | | | | |
| OPTIONS ON REQUEST | | | | | | | | | |
| M24x1.5 6H M25x1.5 6H | 20 | M24x1.5 6H M25x1.5 6H | 20 | PD - plugged | X | X | SE.. | free language: German, Italian, Spanish, etc. or customer logo acc. to order | to fixing depend on chosen combination |
| 1/2 NPT mod* 3/4 NPT mod* | ~13 (7 full thds) | 1/2 NPT mod* 3/4 NPT mod* | ~13 (7 full thds) | | | | Cal | | |
| PD - plugged | | PD - plugged | | | | | SPU.. | | |

* „mod” = thread modified acc. to FM 3615 and CSA C22.2 No. 30

** body and cover

PROTECTION CONCEPT

| Standard | Type of protection | Marking | Permitted use | Approval Body | Certificate No. | Protection Principle |
|--------------------------------|--------------------|---|---------------|---------------|-----------------|--|
| FM 3615 | Explosionproof | Class I, Groups A,B,C,D | Division 1 | FM Approvals | 3019264 | Contain the explosion and quench the flame |
| CSA C22.2 No.30 ⁽¹⁾ | | Class II, Groups E,F,G; Class III Enclosure type: 4x | Division 2 | CSA | 1717515 | |
| ANSI/ISA 12.22.01 | Flameproof | Class I, Zone 1 AEx d II C, IP66 | Zone 1 | FM Approvals | 3023004 | |
| CSA E60079-1 | | Ex d II C, Class I, Zone 1, IP66 | | CSA | 1717515 | |

⁽¹⁾ – for CSA Division, in all openings, NPT threads only

ORDERING

| | | | | | | | | | |
|---|----------|--|----------|---|----------|---|----------|---|--|
| XD – I80- . | - | <div style="border: 1px solid black; padding: 2px; display: inline-block;"> .. / .. </div> | - | <div style="border: 1px solid black; padding: 2px; display: inline-block;"> .. / .. </div> | - | <div style="border: 1px solid black; padding: 2px; display: inline-block;"> .. / .. </div> | - | <div style="border: 1px solid black; padding: 2px; display: inline-block;"> . . </div> | |
| <div style="border: 1px solid black; padding: 5px;"> TYPE OF INSTRUMENT HOUSING </div> | | <div style="border: 1px solid black; padding: 5px;"> SYMBOL OF ELEMENTS / SEALS MATERIAL 2 = M+S 4 = N+S </div> | | <div style="border: 1px solid black; padding: 5px;"> SYMBOL OF CONDUIT THREAD D₃ - D₂ M2 = M20x1,5 6H M24 = M24x1.5 6H M25 = M25x1.5 6H N2 = ½ NPTmod – modified ac. to FM3615 and CSA C22.2 No. 0.5 N3 = ¾ NPTmod – modified ac. to FM3615 and CSA C22.2 No. 0.5 PD = plugged Notice: Type: "size of thread / PD" if thread is plugged ex. M2/PD,etc. </div> | | <div style="border: 1px solid black; padding: 5px;"> SYMBOL OF PROCESS THREAD D₁ M2 = M20x1,5 6H M24 = M24x1.5 6H M25 = M25x1.5 6H M27 = M27x2 6H N2 = ½ NPTmod – modified ac. to FM3615 and CSA C22.2 No. 0.5 N3 = ¾ NPTmod – modified ac. to FM3615 and CSA C22.2 No. 0.5 PD = plugged Notice: Type: "size of thread / PD" if thread is plugged ex. M2/PD,etc. </div> | | <div style="border: 1px solid black; padding: 5px;"> SYMBOL OF PAINT TYPE: C – CREODUR; SE – SPRAY EPOXY; SPU – SPRAY POLIURETHANE </div> | |
| <div style="border: 1px solid black; padding: 5px;"> SYMBOL OF PAINT COLOUR : al = alu natural colour; yc = RAL 1007 – yellow–chromic; ys = RAL 1003 – yellow–signalling; bs = RAL 5005 blue signalling; sb = RAL 5015 sky-blue; sg = RAL 7032 silicon–grey; gr = RAL 7035 grey; ag = RAL 9002 ashen grey-white; sh =RAL 9006 shine; gs = RAL 9007 grey–silver; cw = RAL 9010 cream-white (for more details see technical information) </div> | | | | | | | | | |

SAMPLE:

STANDARD: XD-I80-2-M2-M2-M2-SEsh

ON REQUEST:

- 1.) XD-I80-2-N3/PD-M2/PD-M25/PD-SEsb
- 2.) XD-I80-4-N2-N2/PD-N3-SEsb

| PROTECTION AGAINST WATER AND DUST INGRESS (Enclosure type NEMA 4x) | | | |
|---|--|----------------|----------------|
| | D ₃ | D ₂ | D ₁ |
| NO | 1.Parallel and taper thread are manufactured in the standard accuracy class of manufacturing. 2.No gasket, no packing with any packing agent. | | |
| YES | Threads are additionally packed with use of – for example – LOCTITE 577 agent. | | |
| For more details see technical information | | | |