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CSD

CSD A series enclosures are normally used in the chemical and petrochemical plants, offshore platforms, refineries and any other industry where hazardous atmospheres (gas and combustible dust) are potentially present. The CSD A range has been designed to meet the main requirements of power distribution and other electrical functions inside the hazardous area of the plant.





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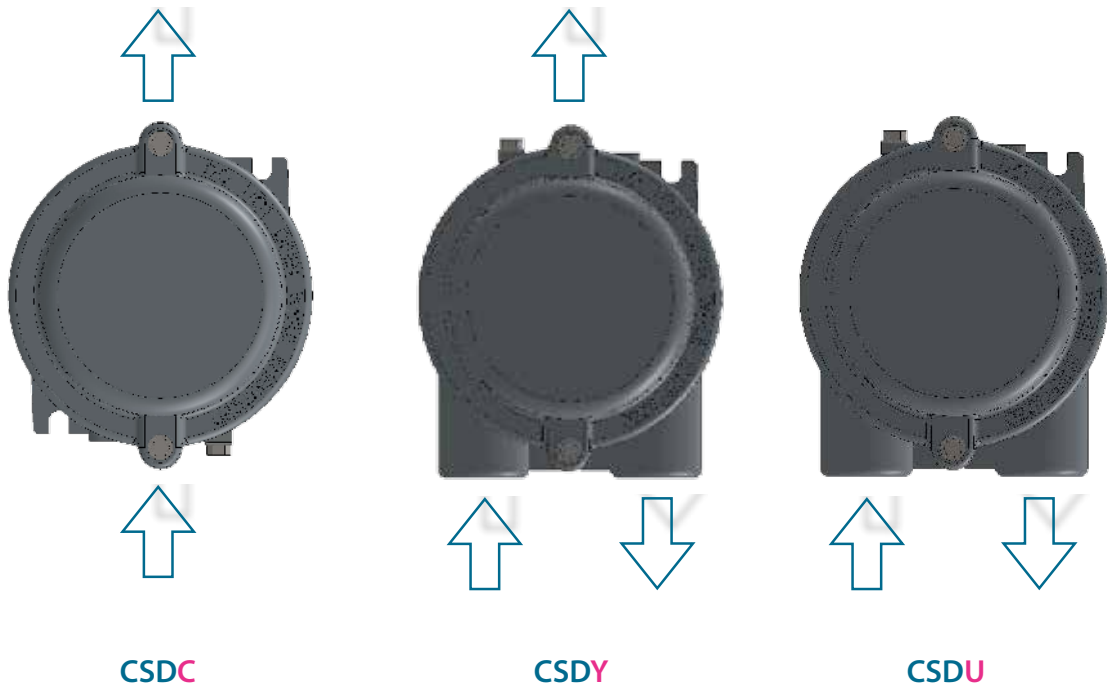
Use CSD series can be used in the conduit system installation as simple pulling boxes or equipped with multipolar or modular terminal blocks as junction boxes.
There are three possible hub configurations with two different thread size and type to satisfy any installation requirements.

Construction

The materials used to manufacture the CSD series have been studied to grant the maximum protection against the highly corrosive agents present in these industries:

- body and cover die-casted of copper-free (lower 0.1%) aluminium;
- external epoxy powder coating RAL 7001;
- gasket on cover of silicone;
- internal and external earth screws of stainless steel complete with antirotation washers.

The Hub Scheme



Protection

certificate number:	IECEX IMQ 16.0019X	IMQ 14 ATEX 005 X	TC RU C-IT.AA87.B.00509
marking:	II 2GD Ex db IIC T5/T6 Gb Ex tb IIIC T100/T85°C Db		
ambient temperature:	-40°C +60°C		
degree of protection:	IP66		
conformity:	Directive ATEX 2014/34/EU	TP	TC 012/2011
standards:	IEC-EN60079-0	IEC-EN60079-1	IEC-EN60079-31 GOCT
	GOCT 31610.0 GOCT IEC 60079-1 suitable for		P MЭК 60079-31
category:	Zone 1- 2 (gas) and Zone 21 - 22 (dust)		

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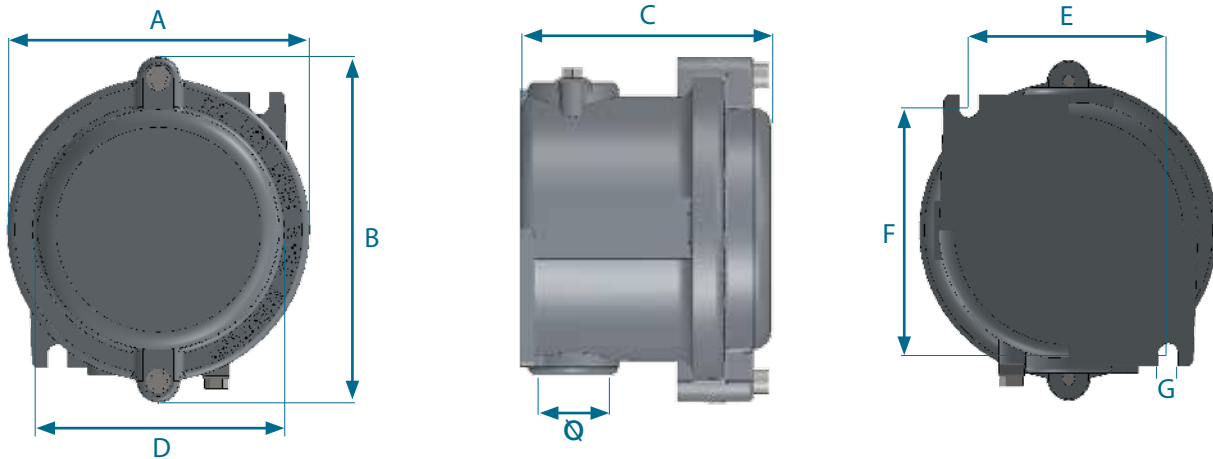
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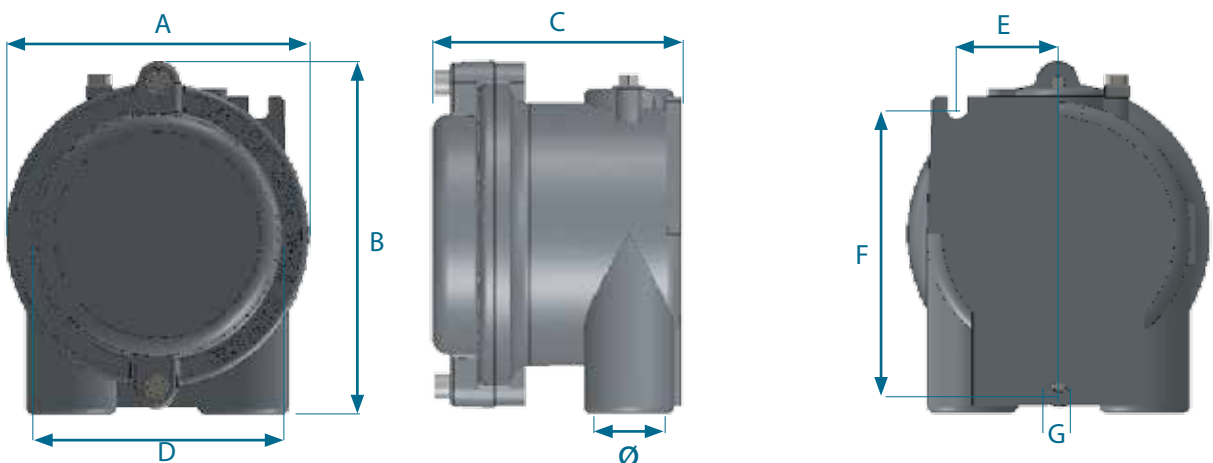
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Code	Ø Hu b	A	B	C	Ø D	E	F	G	Kg
CSDC 1M	M 20x1.5	120	138	99	92	80	100	8	1.10
CSDC 2M	M 25x1.5	120	138	99	92	80	100	8	1.10
CSDC 1N	1/2" NPT	120	138	99	92	80	100	8	1.10
CSDC 2N	3/4" NPT	120	138	99	92	80	100	8	1.10



Code	Ø Hu b	A	B	C	Ø D	E	F	G	Kg
CSDY / U 1M	M 20x1.5	120	138	99	92	40	113	8	1.15
CSDY / U 2M	M 25x1.5	120	138	99	92	40	113	8	1.15
CSDY / U 1N	1/2" NPT	120	138	99	92	40	113	8	1.15
CSDY / U 2N	3/4" NPT	120	138	99	92	40	113	8	1.15

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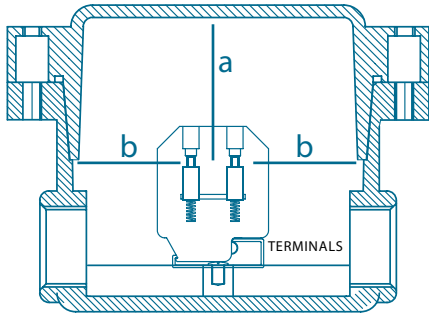
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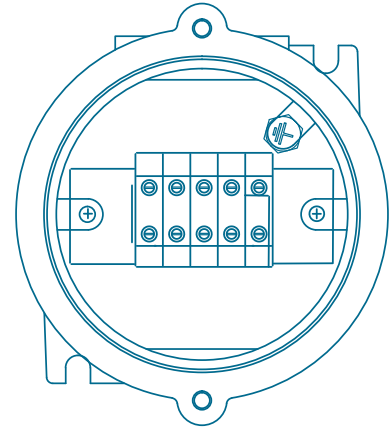
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Terminal dispositions



Code	Section and maximum number of terminal			Minimum Clearance Distance		Operating Voltage
	1.5	2.5	4	a	b+b	
CSD (all sizes)	10	10	8	6	20	all
Max. Current (A) at 40°C	10	12.5	20			
Max. Current (A) at 60°C	8	10.5	17			
Max. Voltage (V)	690					

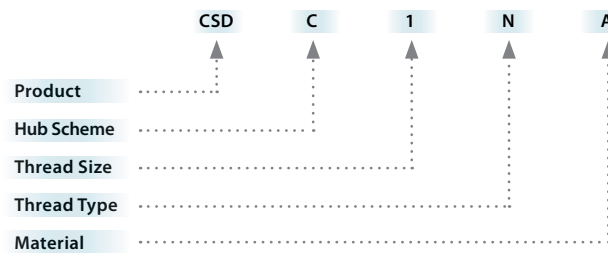
Ordering Table

Thread Type	N	M
1	1/2"	20
2	3/4"	25

Thread Type	Code	Description
N	NPT - ANSI ASME B1.20.1	
M	Metric Pitch 1.5 - ISO 262	

Material	Code	Description
A	Aluminium	
S	Stainless Steel	

Ordering Codes



Example above code:

- Enclosure Version: **Terminal box**
- Enclosure Thread: **2 x 1/2" NPT Hubs - scheme**
- Material: **Aluminium**

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