



it's cool to be safe
explosion proof solution for the global market

Supermec

explosion proof electrical equipment





GUA

CSD

GUB - A

GUBA - A

GUBA - S

EJB - A

EJB - S

ECS

UH - UP

CSE - A

CSE - P

CSE - S

WH - WP - WA

UVB - UVD

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CSE P

The CSE P enclosures are normally used in the chemical and petrochemical plants, off-shore platforms, refineries and any other industry where hazardous atmospheres (gas and combustible dust) are potentially present.

The CSE P enclosures range has been designed to meet the main requirements of power distribution, monitoring and signaling, and other electrical functions inside the hazardous area of the plant



Function

The CSE P enclosures are normally used for the following main applications:

- control stations
- emergency call units
- instrument housings
- circuit breakers
- switches and changeover switches
- lighting controls
- terminal boxes
- electrical housing
- battery container

The CSE-P A enclosures are available in different sizes so to create a large and modular range with different heights. The CSE-P enclosures, joined together through dedicated flanges, can become a large panel, maintaining the original IP protection.

Starting height 90 mm, the CSE-P series can be equipped with operators (pilot lights, push buttons, switches, etc.) on cover.

Construction

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

- body and cover of glass-reinforced polyester (GRP) black coloured to provide the maximum UV protection and loaded with carbon, to eliminate the risk of ignition sources through static induced sparking resistivity.
- for special purposes there are available, on request, other colours : grey, yellow, red and light blue
- antiloosening screws on cover of stainless steel AISI 316
- gasket on cover of silicone
- internal fixing screws of stainless steel

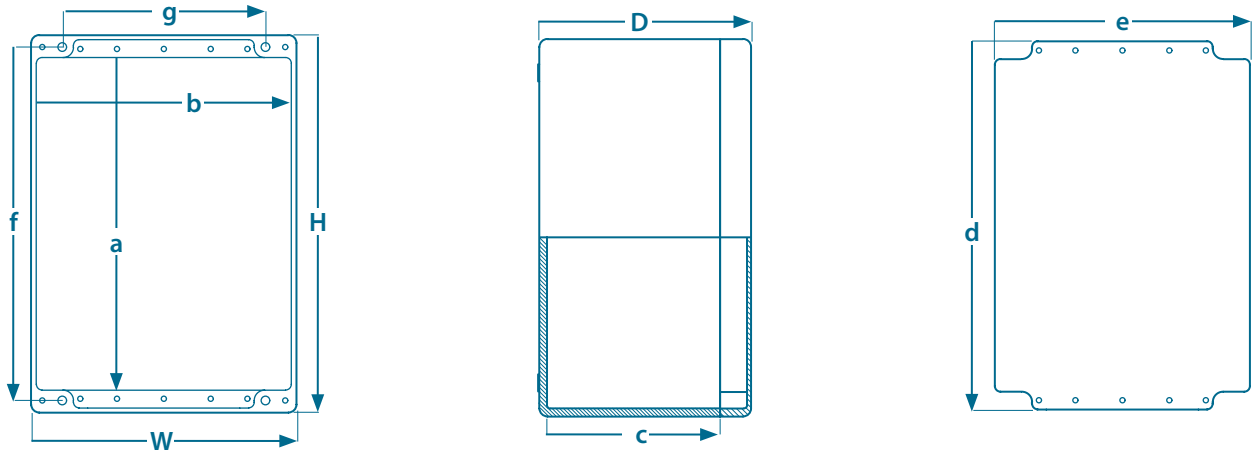
Accessories

The CSE P enclosures can be completed with the following accessories:

- internal earth continuity plate of galvanized steel, copper or brass
- internal mounting plate of galvanized steel or stainless steel
- mounting brackets in stainless steel
- internal and external earth screws of stainless steel AISI 316
- external hinges of thermoplastic material

Protection

certificate number:	IECEX IMQ 15.0004X	IMQ 14 ATEX 003 X	TC RU C-IT.AA87.B.00509
marking:	II 2GD Ex e ia IIC T6/T5 Gb Ex tb IIIC T85/T100°C Db (terminal boxes)		
	II 2GD Ex d e [ia/ib] mb IIC T6/T5/T4 Gb Ex tb IIIC T85/T100/T135°C Db (control stations)		
ambient temperature:	-40°C +60°C		
degree of protection:	IP65/66		
conformity:	Directive ATEX 2014/34/EU		TP TC 012/2011
standards:	IEC-EN60079-0	IEC-EN60079-1	IEC-EN60079-7
	ГОСТ 31610.0	ГОСТ IEC 60079-1	ГОСТ P МЭК 60079-7
	IEC-EN60079-11	IEC-EN 60079-18	IEC-EN60079-31
	ГОСТ 31610.11	ГОСТ P МЭК 60079-18	ГОСТ P МЭК 60079-31
category:	suitable for Zone 1- 2 (gas) and Zone 21 - 22 (dust)		

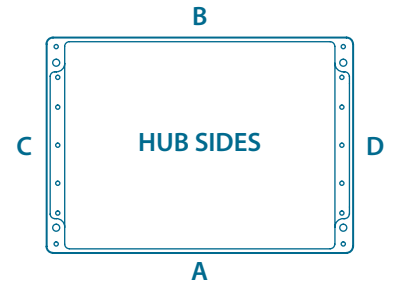
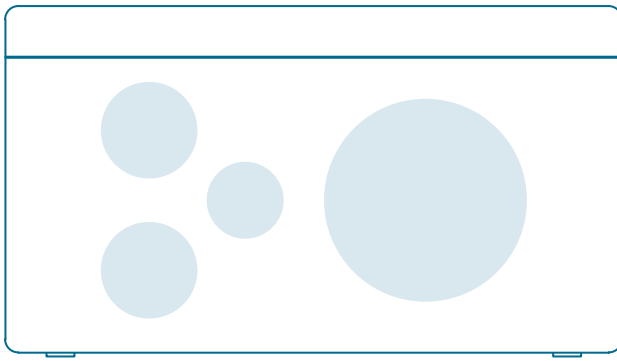


Code	overall dimensions			internal dimensions			mounting plate		fixing dimensions		weight Kg.	
	H	W	D	a	b	c	d	e	f	g		screw
CSE 080705P	80	75	55	73	68	47	68	64	68	45	M4	0,2
CSE 110705P	110	75	55	103	68	47	98	64	98	45	M4	0,3
CSE 160705P	160	75	55	153	68	47	148	64	148	45	M4	0,4
CSE 190705P	190	75	55	183	68	47	178	64	178	45	M4	0,5
CSE 080707P	80	75	75	73	68	67	68	64	68	45	M4	0,4
CSE 121209P	122	120	90	115	113	79	108	106	106	82	M4	0,8
CSE 221209P	220	120	90	211	111	79	206	106	204	82	M4	1,0
CSE 161609P	160	160	90	148	148	79	144	140	140	110	M4	1,2
CSE 261609P	260	160	90	248	148	79	244	140	240	110	M4	1,7
CSE 361609P	360	160	90	348	148	79	344	140	340	110	M4	2,2
CSE 202512P	200	250	120	188	238	109	185	232	180	200	M6	2,3
CSE 252512P	255	250	120	242	238	109	240	232	235	200	M6	2,7
CSE 402512P	400	250	120	388	238	109	385	232	380	200	M6	3,7
CSE 404012P	400	405	120	388	393	109	383	386	380	355	M6	5,4
CSE 602512P	600	250	120	588	238	109	585	232	580	200	M6	5,3
CSE 252516P	255	250	160	242	238	149	240	232	235	200	M6	3,2
CSE 402516P	400	250	160	388	238	149	385	232	380	200	M6	4,6
CSE 602516P	600	250	160	588	238	149	585	232	580	200	M6	6,5

Note:

The CSE P enclosures have a degree of protection IP66 with the sole exception of model CSE 190705P provided of degree of protection IP65.





Code	maximum number of hubs side A-B							maximum number of hubs side C-D						
	M16	M20	M25	M32	M40	M50	M63	M16	M20	M25	M32	M40	M50	M63
CSE 080705P	1	1	-	-	-	-	-	1	1	-	-	-	-	-
CSE 110705P	2	2	-	-	-	-	-	1	1	-	-	-	-	-
CSE 160705P	3	3	-	-	-	-	-	1	1	-	-	-	-	-
CSE 190705P	4	4	-	-	-	-	-	1	1	-	-	-	-	-
CSE 080707P	1	1	1	1	-	-	-	1	1	-	-	-	-	-
CSE 121209P	3	2	1	1	1	-	-	1	1	1	1	-	-	-
CSE 221209P	6	5	4	3	3	-	-	1	1	1	1	-	-	-
CSE 161609P	3	4	2	2	2	1	-	3	2	1	1	1	-	-
CSE 261609P	9	7	5	4	3	3	-	3	2	1	1	1	-	-
CSE 361609P	10	10	7	6	5	4	-	3	2	1	1	1	-	-
CSE 202512P	8	7	6	4	2	2	1	10	8	6	4	3	2	2
CSE 252512P	10	9	8	4	3	2	2	10	8	6	4	3	2	2
CSE 402512P	18	17	14	8	5	4	4	10	8	6	4	3	2	2
CSE 404012P	18	17	14	8	5	4	4	16	16	12	6	5	4	3
CSE 602512P	30	24	20	12	8	6	6	10	8	6	4	3	2	2
CSE 252516P	11	9	8	4	3	2	2	10	8	6	4	3	2	2
CSE 402516P	18	17	14	8	5	4	4	10	8	6	4	3	2	2
CSE 602516P	30	24	20	12	8	6	6	10	8	6	4	3	2	2

