

ECDX Series Customized Welded Steel Enclosures

Flameproof

Zones 1 & 2 – 21 & 22
Gas (G) and Dust (D)

Applications

- Designed for use in Zones 1, 2, 21 and 22 in the oil and gas industry; i.e. petroleum, chemical, refineries, and other industrial process facilities.
- Enclosures may be customized to house terminal blocks, and a large range of components; i.e. control units, breakers, starters, relays, meters, etc.

Features

- Enclosures are available in a wide range of sizes.
- Precision machined flameproof joint between body and cover.
- Hinged door.
- External fixing lugs.
- Internal mounting pan.
- Square and round windows available in a wide range of sizes.
- Machining and drilling must be done at our factory.
- Power dissipated calculation including cables must be completed according to each size of certified enclosure.

Standard Materials

- Gray painted mechanically welded steel enclosure
- Stainless steel hardware

Options

- Indirect cable entries available through Ex e connection enclosure.
- Factory assembled and wired.
- Switch rack assembly.
- Empty enclosure with Ex “U” component marking for recertification by notified body (CMS3-4-5-6-7-40-43-44U).

Certifications and Compliances

◆ATEX/IECEx or ATEX Certification

- Certification Type CMS**
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 G
 - Type of Protection: Ex d IIB
 - Temperature class: T6 to T4
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 D
 - Type of Protection: Ex tD
 - Surface Temperature: T80 °C to T130 °C
 - Ambient Temperature: -20 °C to +55 °C
 - CE Declaration of Conformity: 50236
 - ATEX Certificate: LCIE 02 ATEX 6247X

Catalog Numbering Guide — ECDX Customized Enclosures

ECDX
Series:
ECDX - ATEX or ATEX/IECEx Certified Enclosure

B
Classification:
B - IIB

S
Options:
S - 316L Stainless Steel
U - Component Certification U
- Customized Enclosures
(6 digit number will be assigned at time of order placement)

Internal Dimensions mm:
Length x Width x Depth
(see ordering information on following page)

ECDX Series



Example of Customized Enclosure



- IECEx Certificate: IECEx LCI 080024X
- Internal Volume: > 2 dm³ (2 liters)
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10
- **Certification Type CMS 3U-4U-5U-6U-7U-40U-43U**
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 G
 - Type of Protection: Ex d IIB
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 D
 - Type of Protection: Ex tD
 - Ambient Temperature: -20 °C to +55 °C
 - CE Declaration of Conformity: 5C235
 - ATEX Certificate: LCIE 07 ATEX 0008U
 - Internal Volume: > 2 dm³ (2 liters)
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10

◆EURASEC Certification

- Certification Type CMS**
 - EURASEC N° TC RU C-FR.Г505.B.00911

◆Others Certification

- Certification Type CMS**
 - INMETRO Certificate: BVC 11.0641-X ①

① Inmetro certification available on special request only. Contact your local sales for more information

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Type	Dimensions — L x W x D mm	Weight kg	Volume dm ³	Catalog Number
Ex d IIB Enclosure in Welded Steel ①				
CMS3	300 x 270 x 180	92	234	ECDXB302718
CMS4	415 x 260 x 280	152	234	ECDXB412628
CMS5	415 x 385 x 280	180	369	ECDXB413828
CMS6	635 x 375 x 340	336	647	ECDXB633734
CMS7	635 x 575 x 340	384	647	ECDXB635734
CMS47	700 x 500 x 295	268	698	ECDXB705029
CMS43	700 x 600 x 295	298	698	ECDXB706029
CMS46	700 x 700 x 295	318	698	ECDXB707029
CMS44	800 x 500 x 295	298	698	ECDXB805029
CMS40	800 x 600 x 295	318	698	ECDXB806029
CMS42	800 x 700 x 295	308	698	ECDXB807029
CMS45	900 x 500 x 295	348	698	ECDXB905029
CMS41	900 x 600 x 295	348	698	ECDXB906029
CMS57	1000 x 550 x 295	395	1144	ECDXB105529
CMS52	1000 x 630 x 295	430	1144	ECDXB106329
CMS55	1000 x 700 x 295	452	1144	ECDXB107029
CMS53	1200 x 550 x 295	445	1144	ECDXB125529
CMS50	1200 x 630 x 295	485	1144	ECDXB126329
CMS54	1200 x 700 x 295	515	1144	ECDXB127029
CMS56	1400 x 550 x 295	495	1144	ECDXB145529
CMS51	1400 x 630 x 295	540	1144	ECDXB146329
Ex d IIB Enclosure in 316L Stainless Steel ②				
CMS3	300 x 270 x 180	92	234	ECDXB302718S
CMS4	415 x 260 x 280	152	234	ECDXB412628S
CMS5	415 x 385 x 280	180	369	ECDXB413828S
CMS6	635 x 375 x 340	336	647	ECDXB633734S
CMS7	635 x 575 x 340	384	647	ECDXB635734S
CMS47	700 x 500 x 295	268	698	ECDXB705029S
CMS43	700 x 600 x 295	298	698	ECDXB706029S
CMS46	700 x 700 x 295	318	698	ECDXB707029S
CMS44	800 x 500 x 295	298	698	ECDXB805029S
CMS40	800 x 600 x 295	318	698	ECDXB806029S
CMS42	800 x 700 x 295	308	698	ECDXB807029S
CMS45	900 x 500 x 295	348	698	ECDXB905029S
CMS41	900 x 600 x 295	348	698	ECDXB906029S
CMS57	1000 x 550 x 295	395	1144	ECDXB105529S
CMS52	1000 x 630 x 295	430	1144	ECDXB106329S
CMS55	1000 x 700 x 295	452	1144	ECDXB107029S
CMS53	1200 x 550 x 295	445	1144	ECDXB125529S
CMS50	1200 x 630 x 295	485	1144	ECDXB126329S
CMS54	1200 x 700 x 295	515	1144	ECDXB127029S
CMS56	1400 x 550 x 295	495	1144	ECDXB145529S
CMS51	1400 x 630 x 295	540	1144	ECDXB146329S



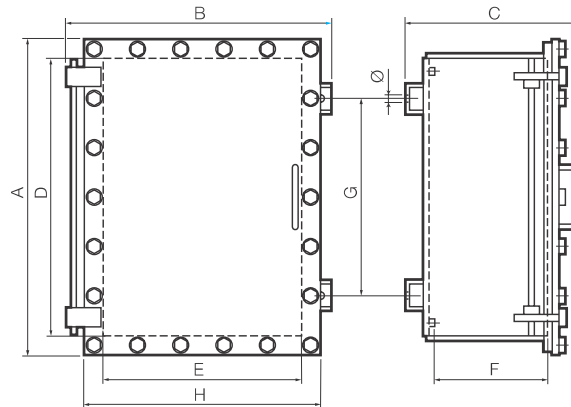
① For component certification and/or customized enclosure add digits as per examples: ECDXB302718# or ECDXB302718U#.

② For component certification and/or customized enclosure add digits as per example: ECDXB302718S# or ECDXB302718SU#.

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Dimensions in Millimeters



Type	External			Internal			Fixings Lug Thick			
	A	B	C	D	E	F	G	H	mm	Ø
CMS3	396	449	313	300	270	180	200	370	7	16
CMS4	511	439	413	415	260	280	315	360	7	16
CMS5	511	564	413	415	385	280	315	485	7	16
CMS6	731	554	473	635	375	340	455	475	7	16
CMS7	731	756	475	635	575	340	470	675	7	16
CMS47	796	679	443	700	500	295	500	600	7	18
CMS43	796	779	443	700	600	295	500	700	7	18
CMS46	796	879	443	700	700	295	500	800	7	18
CMS44	896	679	443	800	500	295	600	600	7	18
CMS40	896	779	448	800	600	295	600	700	7	18
CMS42	896	879	448	800	700	295	600	800	7	18
CMS45	996	679	443	900	500	295	600	600	7	18
CMS41	996	779	448	900	600	295	600	700	7	18
CMS57	1125	776	450	1000	550	295	700	660	7	22
CMS52	1125	856	450	1000	630	295	700	740	7	22
CMS55	1125	926	450	1000	700	295	700	810	7	22
CMS53	1325	776	450	1200	550	295	900	660	7	22
CMS50	1325	856	450	1200	630	295	900	740	7	22
CMS54	1325	926	450	1200	700	295	900	810	7	22
CMS56	1525	776	450	1400	550	295	1100	660	7	22
CMS51	1525	856	450	1400	630	295	1100	740	7	22