

Features

- Aluminum enclosure
- Various enclosure size and design variants
- Ex e and Ex tD certified
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Customizable configuration as per specification
- Degree of protection IP66

Function

Several enclosures manufactured from CP601 marine grade aluminum form the optimal solution for distribution applications in heavy duty industrial environments both indoor and outdoor.



Type Code / Model Number

Enclosure type

- EA** enclosure (Ex e) epoxy coated RAL 7032 grey
- DA** enclosure (Ex t) epoxy coated X15 orange

Material

aluminum

Enclosure size


xx see data table

Variant number

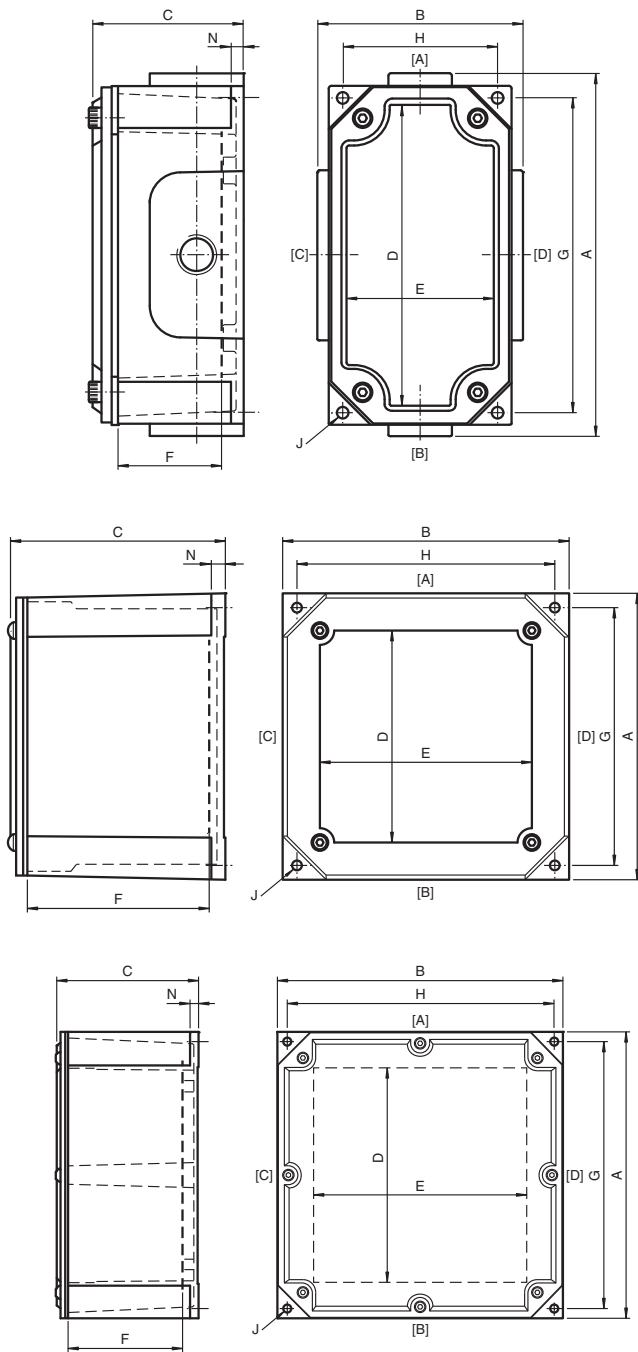
-Yxxxxxx

EA		3030	-Yxxxxxx
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Example: Terminal box size 3030 in aluminum, epoxy coated RAL 7032 grey

Technical Data	
Electrical specifications	
Operating voltage	690 V max.
Operating current	application-specific
Mechanical specifications	
Dimensions	see data tables
Enclosure cover	fully detachable
Cover fixing	stainless steel socket cap head screws
Yield stress	min. 1100 N/mm ²
Degree of protection	IP66
Mass	see data tables valid for empty enclosure, will increase according to integrated components
Number of rails	see data tables
Number of terminals per rail	see data tables
Cable entry	see data tables cable glands as per specification
Material	
Enclosure	Aluminum alloy
Finish	EA: epoxy coated RAL 7032 DA: epoxy coated X15 Orange
Cover seal	chloroprene
Material of screws	stainless steel
Grounding	see data tables
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F) depending on integrated components
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	SIRA 09 ATEX 3178X
Marking	 II 2 GD Ex e IIC T* Gb Ex tD A21 T6/T80 °C @ Ta +55 °C T5/T95 °C @ Ta +55 °C
Maximum power dissipation	see data tables
International approvals	
IECEX approval	IECEX SIM 08.0017X
Conformity	
Degree of protection	EN60529
CE marking	0102
General information	
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .
Ordering information	This solution will be delivered completely configured and assembled ready for use. For configuration details please contact Customer Service.

Dimensions



Legend	
A	Height
B	Width
C	Depth
D	Internal height
E	Internal width
F	Internal depth
G	Mounting holes distance, vertical
H	Mounting holes distance, horizontal
J	Mounting holes diameter
N	Thickness of mounting brackets
[A] ... [D]	Cable entry faces

Dimension values see data table.
Image and drawing are generic for this device type and may deviate from the specific variant.

top: EA/DA 1608
middle: EA/DA 2020
bottom: EA/DA 3030 / EA/DA 7535

Dimensions and Enclosure Details

Type	External dimensions [mm]			Internal dimensions [mm]			Mounting [mm]				Mass approx. [kg]	Cover screws			Max. power dissipation at T4/+40 °C [W]
	A	B	C	D	E	F	G	H	J	N		Mx	qty.	Torque [Nm]	
EA/DA 1608	173	98	72	153	78	50	150	74	5.6	8	1.5	M6	4	4	13
EA/DA 2020	200	200	155	160	160	130	187	187	6.5	10.5	4.2	M8	4	8.5	23.5
EA/DA 3030	305	305	160	245	245	125	285	285	7	10	9.5	M8	8	8.5	41
EA/DA 7535	350	750	154	284	663	130	335	715	8.5	10	18.5	M8	10	8.5	61

Mass is valid for empty enclosure, it will increase according to integrated components and cable glands

Release date 2019-06-11 T190415

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Terminal Configurations with Standard Terminals

Type	DIN-Rails vertical				DIN-Rails horizontal				Terminal type	Terminal capacity [mm ²]
	Number of rails	Usable length per rail [mm]	Terminals per rail	Terminals total	Number of rails	Usable length per rail [mm]	Terminals per rail	Terminals total		
EA/DA 1608	1	110	12	12	-	-	-	-	WDU	2.5
EA/DA 2020	1	160	17	17	1	160	17	17	WDU	2.5
EA/DA 3030	2	245	35	70	2	245	35	70	WDU	2.5
EA/DA 7535	4	283	45	180	2	663	121	242	WDU	2.5

For other terminal types and terminal capacities please contact Pepperl+Fuchs

Cable Entries max. Quantity per Size

Type	Faces A and B						Faces C and D					
	M20	M25	M32	M40	M50	M63	M20	M25	M32	M40	M50	M63
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
EA/DA 1608	1	1	-	-	-	-	2	1	1	-	-	-
EA/DA 2020	6	6	3	2	1	-	6	6	3	2	1	-
EA/DA 3030	10	8	5	3	2	2	10	8	5	3	2	2
EA/DA 7535	30	23	15	10	8	6	19	11	6	3	3	3

Cable gland standard type: polyamide Ex e cable glands

For other types of cable glands and combinations of different gland sizes please contact Pepperl+Fuchs