



EX-PD66

Explosion-proof Junction Box

Venas PD66 series Explosion-proof distribution box is ideal for use in hazardous environments where combustible and explosive gases are expected. Made by high-quality aluminum alloy, PD66 series has excellent ruggedness and reliability.



Compliance

ATEX (Pending):

II 2 G Ex eb IICT6...T4 Gb

II 2 D Ex tb IIIC T80°C...T130°C Db IP66

IECEx (Pending):

Ex eb IICT6...T4 Gb

Ex tb IIIC T80°C ... T130°C Db IP66

Standards:

EN IEC 60079-0, EN IEC 60079-7,

EN IEC 60079-31

IEC 60079-0, IEC 60079-7,

IEC 60079-31

IP66



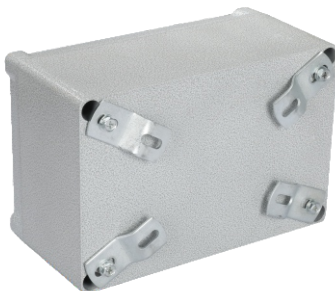
Applications

- ✓ Heavy Industrials Storage Facility
- ✓ Chemical Processing Facility
- ✓ Power Plants
- ✓ Petrochemical Processing Facility
- ✓ Petroleum Platform
- ✓ Smelting Industry
- ✓ Military Industry



Technical Parameter

Model	PD66
Rated Voltage	Max. 690VAC
Rated Current	24A (2.5mm ²); 32A (4mm ²); 41A (6mm ²); 57A (10mm ²); 76A (16mm ²); 115A (35mm ²)
Enclosure Material	Aluminum alloy
Exposed Fastener	Stainless steel
Ambient Temperature	T6 for Tamb: -60°C to +40°C; -60°C to +45°C; -60°C to +60°C T5 for Tamb: -60°C to +40°C; -60°C to +45°C; -60°C to +55°C; -60°C to +60°C; -60°C to +70°C T4 for Tamb: -60°C to +70°C
Storage Temperature	-25°C to +55°C
Related Humidity	≤95% (storage temperature 25°C)



Model No. Definitions

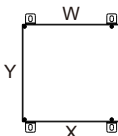
EX - PD 66 - *

1 2 3

1. Product Name	2. Design Sequence No.	3. Shape Code
EX-PD: Explosion-proof junction box	66	A, B, C, D, E, F, G

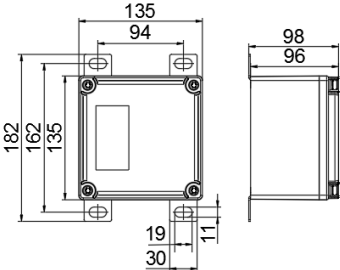
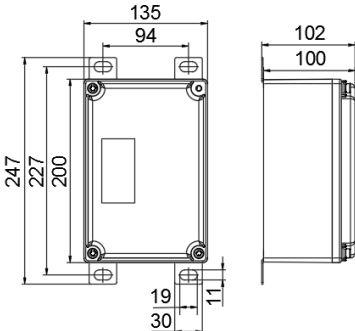
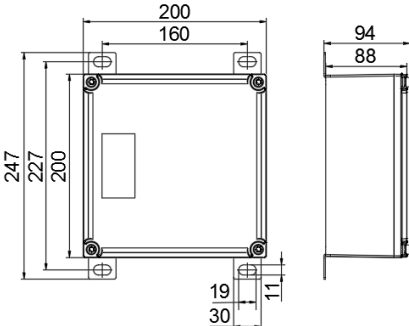
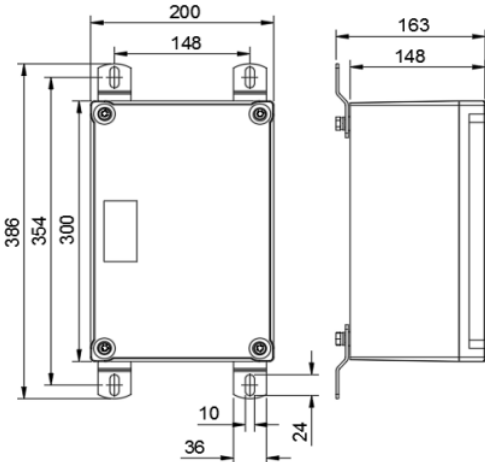
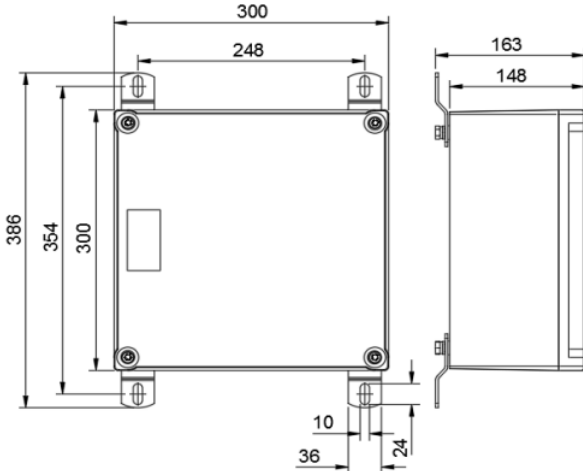
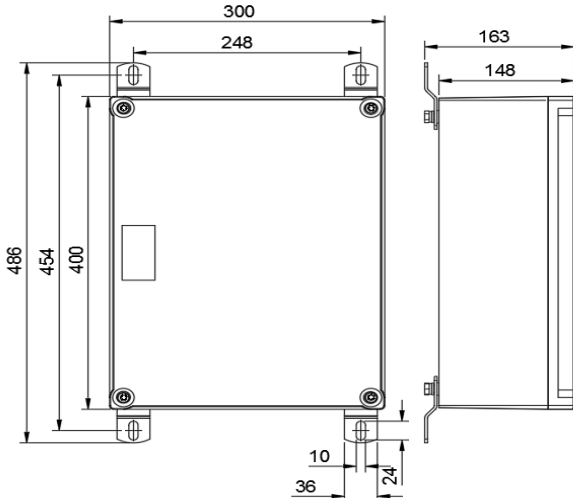
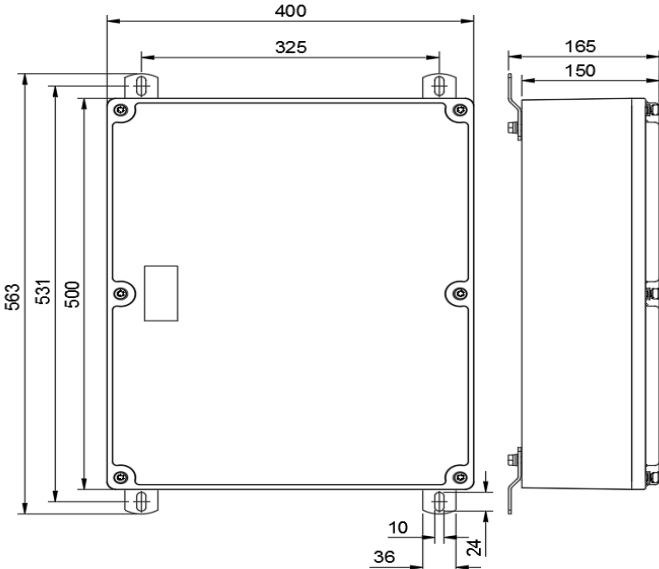
Specification of Cable Entry

Table of max. number of possible enclosure entries with cable glands QM01/QM02

Entry Size	 Cable glands QM01/QM02  X, Y, V and W in the figure indicate the direction of the inlet. Note: One box only provides one type of entry size!													
	Code	PD66-A		PD66-B		PD66-C		PD66-D		PD66-E		PD66-F		PD66-G
NPT Metric	X/W	Y/V	X/W	Y/V	X/W	Y/V	X/W	Y/V	X/W	Y/V	X/W	Y/V	X/W	Y/V
1/2 NPT M20x1.5	2	2	2	3	3	3	4	8	8	8	10	14	14	16
3/4 NPT M25x1.5	1	1	1	3	3	3	4	8	8	8	8	12	12	12
1 NPT M32x1.5	-	-	1	2	2	2	2	3	4	4	3	5	5	6
1 1/4 NPT M40x1.5	-	-	-	-	2	2	2	3	3	3	3	4	4	4
1 1/2 NPT M50x1.5	-	-	-	-	-	-	1	2	3	3	3	3	4	4
2 NPT M63x1.5	-	-	-	-	-	-	1	2	2	2	2	3	3	2

Note: 1. No cable entries for standard design. Cable entries shall be drilled by user.
2. For Cable entries
1) Please specify the direction and size of each cable entry.
2) Cable gland is optional. QM01/QM12 (Ex e) is recommended.

Product Dimensions (unit: mm)

Type A	Type B	Type C
 Technical drawing of Type A LED Explosion Proof Light. Front view dimensions: 135 (width), 94 (inner width), 182 (height), 162 (inner height), 136 (inner height), 19 (bottom flange), 30 (bottom flange), 11 (bottom flange). Side view dimensions: 98 (width), 96 (inner width).	 Technical drawing of Type B LED Explosion Proof Light. Front view dimensions: 135 (width), 94 (inner width), 247 (height), 227 (inner height), 200 (inner height), 19 (bottom flange), 30 (bottom flange), 11 (bottom flange). Side view dimensions: 102 (width), 100 (inner width).	 Technical drawing of Type C LED Explosion Proof Light. Front view dimensions: 200 (width), 160 (inner width), 247 (height), 227 (inner height), 200 (inner height), 19 (bottom flange), 30 (bottom flange), 11 (bottom flange). Side view dimensions: 94 (width), 88 (inner width).
Type D	Type E	
 Technical drawing of Type D LED Explosion Proof Light. Front view dimensions: 200 (width), 148 (inner width), 386 (height), 354 (inner height), 300 (inner height), 10 (bottom flange), 36 (bottom flange), 24 (bottom flange). Side view dimensions: 163 (width), 148 (inner width).	 Technical drawing of Type E LED Explosion Proof Light. Front view dimensions: 300 (width), 248 (inner width), 386 (height), 354 (inner height), 300 (inner height), 10 (bottom flange), 36 (bottom flange), 24 (bottom flange). Side view dimensions: 163 (width), 148 (inner width).	
Type F	Type G	
 Technical drawing of Type F LED Explosion Proof Light. Front view dimensions: 300 (width), 248 (inner width), 486 (height), 454 (inner height), 400 (inner height), 10 (bottom flange), 36 (bottom flange), 24 (bottom flange). Side view dimensions: 163 (width), 148 (inner width).	 Technical drawing of Type G LED Explosion Proof Light. Front view dimensions: 400 (width), 325 (inner width), 563 (height), 531 (inner height), 500 (inner height), 10 (bottom flange), 36 (bottom flange), 24 (bottom flange). Side view dimensions: 165 (width), 150 (inner width).	