

# ATX™ JBES and ECES Series 316L Stainless Steel Enclosures

Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22  
Notable: INMETRO Certified

## Applications

- Designed for use in Zone 1 or 2 areas where flammable gases or vapors are present either continuously or intermittently.
- Ideal for use in wet or corrosive atmospheres such as:
  - Petroleum
  - Chemical
  - Refineries
  - Other industrial process facilities
- Designed for use in Zone 21 or 22 areas where flammable dusts are present either continuously or intermittently such as:
  - Food processing
  - Dairy
  - Brewing
  - Pharmaceutical industry
  - Other commercial facilities
- JBES Series
  - Terminal junction box for electrical low voltage and instrumentation connections for use in hazardous areas.
  - Refer to technical data to define permitted number of terminal blocks and cable entries on selected junction boxes.
- ECES Series
  - Enclosure for distribution and control applications must be customized at our workshop to house a large range of components such as control units, switches, breakers, transformers, ammeters, voltmeters, contact blocks, pilot lights, control auxiliaries, handles, windows, etc.



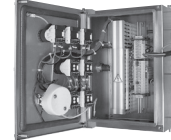
JBES Series



JBES Series



ECES Series



ECES Series

## Options

- Removable gland plates.
- Nameplate.
- Factory drilled and assembled, contact your local representative for information.

## ATEX/IECEx Certifications and Compliances

- Certification Type: JBES
  - Gas, Zones 1 and 2:
    - Conforming to ATEX 2014/34/EU: Ⓢ II 2 G
    - Type of Protection: Ex eb IIC, Ex eb ia IIC, Ex eb ib IIC, Ex ia or ib IIC Gb
    - Temperature Class: T6
  - Dust, Zones 21 and 22:
    - Conforming to ATEX 2014/34/EU: Ⓢ II 2 D
    - Type of Protection: Ex tb IIIC Db
    - Surface Temperature: T64 °C to T67 °C (T147.2 °F to T152.6 °F)
  - Ambient Temperature: -40 °C to +55 °C (-40 °F to +131 °F)
  - ATEX Certificate: LCIE 19ATEX 3024X
  - IECEx Certificate: IECEx LCIE 19.0031X
  - Index of Protection according EN/IEC 60529: IP66
  - Impact Resistance (shock): IK10
- Certification Type: ECES
  - Gas, Zones 1 and 2:
    - Conforming to ATEX 2014/34/EU: Ex II 2 Gb
    - Type of Protection: Ex eb IIC Gb
  - Dust, Zones 21 and 22:
    - Conforming to ATEX 2014/34/EU: Ex tb IIIC Db
  - Ambient Temperature: -20 °C to +40 °C (-28 °F to +4 °F)
  - ATEX Certificate: INERIS 21ATEX0030X
  - IECEx Certificate: IECEx INE 21.0058X
  - Protection index according EN/IEC 60529: IP66
  - Impact Resistance (shock): IK10

## INMETRO Certifications

- Certification Type: JBES
  - INMETRO Certificate: BVC24.4266-X

## Features

- Smooth, continuously welded seams.
- Available in a wide range of sizes.
- Operating temperature:
  - JBES Series: -40 °C to +55 °C (-40 °F to +131 °F)
  - ECES Series: -20 °C to +40 °C (-28 °F to +4 °F)
- Can be supplied with 1, 2, 3 or even 4 neoprene sealed gland plates for ease of cable installation.
- Hinges standard on all sizes above 370.0 mm x 260.0 mm (14.57" x 10.24").
- Poured-in-place polyurethane door gasket.
- Feed-thru earth grounding stud.
- Reversible door, opens 210 degrees, from any location top; bottom, left or right, by means of removable hinges that can be installed in any position.
- Reversible anti-vibration mounting brackets can be mounted on the top, bottom or side positions.
- Optional removable padlocking device.

## Standard Materials

- Enclosure: 316L stainless steel
- Hardware: 316L stainless steel

## Standard Finishes

- Natural brushed finish

## Accessories

- Mounting pan
- Rail mounting
- Cam lock and key
- Door locking bracket for easy access
- Inside pocket
- Refer to technical data to define permitted number of terminals and cable entries

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### Illustrated Features



Optional removable locking device. Part Number: 097209/N097209



Reversible antivibration mounting brackets, can be mounted in top, side or bottom positions.



M8 feed-thru earth/ground terminal.



Polyurethane poured in place door gasket and stainless steel captive screws.



Reversible door. Opens to 210°, top, bottom, left or right, by moving the location of the hinges



Optional removable gland plate.

### Catalog Numbering Guide — JBES and ECES 316L Stainless Steel Enclosures

<p><b>JB</b></p> <p>Series:                  EC - ATEX/IECEx Certified Enclosure and Controls                  JB - ATEX/IECEx Certified Junction Box</p>	<p><b>E</b></p> <p>Protection Method:                  E - Increased Safety                  I - Intrinsic Safety</p>	<p><b>S</b></p> <p>Material:                  S - Stainless Steel</p>	<p><b>12</b></p> <p>Length Dimensions mm (in):                  12 - 120 (4.72)                  18 - 180 (7.09)                  22 - 220 (8.66)                  26 - 260 (10.24)                  37 - 370 (14.57)                  56 - 560 (22.05)                  75 - 750 (29.53)                  11 - 1130 (44.49)</p>	<p><b>12</b></p> <p>Width Dimensions mm (in):                  12 - 120 (4.72)                  18 - 180 (7.09)                  22 - 220 (8.66)                  26 - 260 (10.24)                  37 - 370 (14.57)                  56 - 560 (22.05)                  75 - 750 (29.53)</p>	<p><b>09</b></p> <p>Depth Dimensions mm (in):                  09 - 95 (3.74)                  15 - 150 (5.91)                  20 - 200 (7.87)                  30 - 300 (11.81)</p>	<p><b>0</b></p> <p>Gland plate:                  0 - None                  1 - One Bottom                  2 - One Top and Bottom                  3 - Two Sides and Bottom                  4 - All Sides</p>	<p><b>M</b></p> <p>Options:  <i>(options must be listed alphabetically)</i>                  M - Mounting Pan                  # - Customized Enclosure (6 Digit number will be assigned at time of order placement.)</p>
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Enclosures and Junction Boxes

# ATX™ JBES and ECES Series 316L Stainless Steel Enclosures

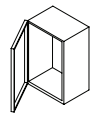
Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22  
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## JBES Series — T6 -40 °C to +55 °C (-40 °F to +131 °F) — T67 °C (T152.6 °F)

Type	Dimensions L x W x D mm (in)	Hinged Door ①	Vertical Orientation Rail Length mm (in)	Horizontal Orientation Rail Length mm (in)	Weight kg (lb)	Volume dm³ (in³)	Catalog Number
<b>Ex e II 316L Stainless Steel Junction Boxes without Gland Plate</b>							
<i>For use only with Ex terminals (not supplied). External earth crossing terminal. (M6 for JBES10/20/30 and M8 for other boxes). Mounting pan and rails to be ordered separately.</i>							
JBES1	120 x 120 x 95 (4.72 x 4.72 x 3.74)	N	–	100.0 (3.94)	1.0 (2.20)	1.4 (85.43)	<b>JBES1212090</b>
JBES2	120 x 180 x 95 (4.72 x 7.09 x 3.74)	N	–	160.0 (6.30)	1.5 (3.31)	2.0 (122.05)	<b>JBES1218090</b>
JBES3	180 x 180 x 95 (7.09 x 7.09 x 3.74)	N	–	160.0 (6.30)	1.8 (3.97)	3.0 (183.07)	<b>JBES1818090</b>
JBES4	220 x 260 x 150 (8.66 x 10.24 x 5.91)	R	170.0 (6.69)	210.0 (8.27)	5.0 (11.02)	8.6 (524.80)	<b>JBES2226150</b>
JBES4	260 x 220 x 150 (10.24 x 8.66 x 5.91)	R	210.0 (8.27)	170.0 (6.69)	5.0 (11.02)	8.6 (524.80)	<b>JBES2622150</b>
JBES5	220 x 370 x 200 (8.66 x 14.57 x 7.87)	R	170.0 (6.69)	320.0 (12.60)	8.5 (18.74)	16.3 (994.69)	<b>JBES2237200</b>
JBES6	260 x 370 x 200 (10.24 x 14.57 x 7.87)	Y	210.0 (8.27)	320.0 (12.60)	9.0 (19.84)	19.3 (1177.76)	<b>JBES2637200</b>
JBES5	370 x 220 x 200 (14.57 x 8.66 x 7.87)	R	320.0 (12.60)	170.0 (6.69)	8.5 (18.74)	16.6 (1012.99)	<b>JBES3722200</b>
JBES6	370 x 260 x 200 (14.57 x 10.24 x 7.87)	Y	320.0 (12.60)	210.0 (8.27)	9.0 (19.84)	19.3 (1177.76)	<b>JBES3726200</b>
JBES7	370 x 370 x 200 (14.57 x 14.57 x 7.87)	Y	320.0 (12.60)	320.0 (12.60)	13.0 (28.66)	27.4 (1672.05)	<b>JBES3737200</b>
JBES9	370 x 560 x 200 (14.57 x 22.05 x 7.87)	Y	320.0 (12.60)	510.0 (20.08)	19.0 (19.84)	41.5 (2532.49)	<b>JBES3756200</b>
JBES11	370 x 750 x 200 (14.57 x 29.53 x 7.87)	Y	320.0 (12.60)	700.0 (27.56)	24.0 (52.91)	55.5 (3386.82)	<b>JBES3775200</b>
JBES9	560 x 370 x 200 (22.05 x 14.57 x 7.87)	Y	510.0 (20.08)	320.0 (12.60)	19.0 (19.84)	41.5 (2532.49)	<b>JBES5637200</b>
JBES13	560 x 560 x 200 (22.05 x 22.05 x 7.87)	Y	510.0 (20.08)	510.0 (20.08)	28.0 (61.73)	62.8 (3832.29)	<b>JBES5656200</b>
JBES15	560 x 750 x 200 (22.05 x 29.53 x 7.87)	Y	510.0 (20.08)	700.0 (27.56)	33.0 (72.75)	84.0 (5125.99)	<b>JBES5675200</b>
JBES11	750 x 370 x 200 (29.53 x 14.57 x 7.87)	Y	700.0 (27.56)	320.0 (12.60)	24.0 (52.91)	55.5 (3386.82)	<b>JBES7537200</b>
JBES15	750 x 560 x 200 (29.53 x 22.05 x 7.87)	Y	700.0 (27.56)	510.0 (20.08)	33.0 (72.75)	84.0 (5125.99)	<b>JBES7556200</b>
JBES17	1130 x 750 x 300 (44.49 x 29.53 x 11.81)	Y	1080.0 (42.52)	700.0 (27.56)	50.0 (110.23)	235.0 (14340.58)	<b>JBES1175300</b>

① N: Not Available, R: On request or separate accessories, Y: Supplied.







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### JBES Series — T6 -40 °C to +55 °C (-40 °F to +131 °F) — T67 °C (T152.6 °F)

Type	Dimensions L x W x D mm (in)	Hinged Door ①	One Gland Plate Catalog Number	Two Gland Plates Catalog Number	Three Gland Plates Catalog Number	Four Gland Plates Catalog Number	
<b>Ex e II 316L Stainless Steel Terminal Junction Boxes with Gland Plates 3 mm (0.12") Thick</b>							
<i>For use only with Ex terminals (not supplied). M8 External earth crossing terminal. Mounting pan and rails to be ordered separately.</i>							
	JBES4	220 x 260 x 150 (8.66 x 10.24 x 5.91)	R	JBES2226151	JBES2226152	JBES2226153	JBES2226154
	JBES4	220 x 260 x 150 (8.66 x 10.24 x 5.91)	R	JBES2622151	JBES2622152	JBES2622153	JBES2622154
 One Gland Plate	JBES5	220 x 370 x 200 (8.66 x 14.57 x 7.87)	R	JBES2237201	JBES2237202	JBES2237203	JBES2237204
	JBES6	260 x 370 x 200 (10.24 x 14.57 x 7.87)	Y	JBES2637201	JBES2637202	JBES2637203	JBES2637204
 Two Gland Plates	JBES5	370 x 220 x 200 (14.57 x 8.66 x 7.87)	R	JBES3722201	JBES3722202	JBES3722203	JBES3722204
	JBES6	370 x 260 x 200 (14.57 x 10.24 x 7.87)	Y	JBES3726201	JBES3726202	JBES3726203	JBES3726204
 Three Gland Plates	JBES7	370 x 370 x 200 (14.57 x 14.57 x 7.87)	Y	JBES3737201	JBES3737202	JBES3737203	JBES3737204
	JBES9	370 x 560 x 200 (14.57 x 22.05 x 7.87)	Y	JBES3756201	JBES3756202	JBES3756203	JBES3756204
 Four Gland Plates	JBES11	370 x 750 x 200 (14.57 x 29.53 x 7.87)	Y	JBES3775201	JBES3775202	JBES3775203	JBES3775204
	JBES9	560 x 370 x 200 (22.05 x 14.57 x 7.87)	Y	JBES5637201	JBES5637202	JBES5637203	JBES5637204
	JBES13	560 x 560 x 200 (22.05 x 22.05 x 7.87)	Y	JBES5656201	JBES5656202	JBES5656203	JBES5656204
	JBES15	560 x 750 x 200 (22.05 x 29.53 x 7.87)	Y	JBES5675201	JBES5675202	JBES5675203	JBES5675204
	JBES11	750 x 370 x 200 (29.53 x 14.57 x 7.87)	Y	JBES7537201	JBES7537202	JBES7537203	JBES7537204
	JBES15	750 x 560 x 200 (29.53 x 22.05 x 7.87)	Y	JBES7556201	JBES7556202	JBES7556203	JBES7556204
	JBES17	1130 x 750 x 300 (44.49 x 29.53 x 11.81)	Y	JBES1175301	JBES1175302	JBES1175303	JBES1175304

① N: Not Available, R: On request or separate accessories, Y: Supplied.





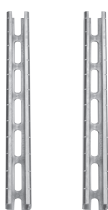
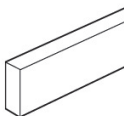
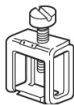
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Enclosures and Junction Boxes

## Mounting Accessories

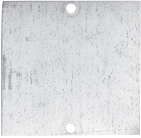



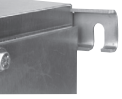
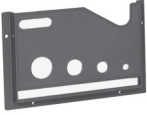

				Catalog Number	
		Enclosure Length mm (in)	Rail Length mm (in)	 Symmetrical Depth = 15 mm (0.59")	 Asymmetrical
<b>Zinc Plated Steel Rail</b>					
<i>For fixing onto uprights with clip nut supplied.</i>					
	Symmetrical	120 (4.72)	100 (3.93)	097246	—
		180 (7.09)	160 (6.30)	097247	—
	Asymmetrical	220 (8.66)	170 (6.69)	097240	097250
		260 (10.24)	210 (8.27)	097241	097251
		370 (14.57)	320 (12.60)	097242	097252
		560 (22.05)	510 (20.08)	097243	097253
		750 (29.53)	700 (27.56)	097244	097254
		1130 (44.49)	1080 (42.52)	097245	097255
		<b>Zinc Plated Steel Uprights</b>			
<i>Set of two.</i>					
		220 (8.66)	160 (6.30)		097230
		260 (10.24)	200 (7.87)		097231
		370 (14.57)	310 (12.20)		097232
		560 (22.05)	500 (19.68)		097233
		750 (29.53)	690 (27.17)		097234
		1130 (44.49)	1070 (42.13)		097235
<b>Copper Bar – 12 x 4 mm (0.47 x 0.16")</b>					
<i>Copper bar not perforated for cable clamps.</i>					
		220 (8.66)	160 (6.30)		097270
		260 (10.24)	200 (7.87)		097271
		370 (14.57)	310 (12.20)		097272
		560 (22.05)	500 (19.68)		097273
		750 (29.53)	690 (27.17)		097274
		1130 (44.49)	1070 (42.13)		097275
<b>Cable Clamp for Copper Bar – 12 x 4 mm (0.47 x 0.16")</b>					
		1.5 mm <sup>2</sup> to 4 mm <sup>2</sup> (0.002 in <sup>2</sup> to 0.006 in <sup>2</sup> ) Capacity			097203
		6 mm <sup>2</sup> to 16 mm <sup>2</sup> (0.009 in <sup>2</sup> to 0.025 in <sup>2</sup> ) Capacity			097204

# ATX™ JBES and ECES Series 316L Stainless Steel Enclosures

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### Mounting Accessories — Continued

	Enclosure Dimensions mm (in)		Mounting Pan Dimensions mm (in)	Catalog Number
	Height	Width		
<b>Mounting Pan – Zinc Plated Steel</b>				
	120 (4.72)	120 (4.72)	100 x 100 (3.93 x 3.93)	097277
	120 (4.72)	180 (7.09)	100 x 160 (3.93 x 6.30)	097278
	180 (7.09)	180 (7.09)	160 x 160 (6.30 x 6.30)	097279
	220 (8.66)	260 (10.24)	160 x 200 (6.30 x 7.87)	097280
	220 (8.66)	370 (14.57)	160 x 310 (6.30 x 12.20)	097281
	260 (10.24)	370 (14.57)	200 x 310 (7.87 x 12.20)	097282
	370 (14.57)	370 (14.57)	310 x 310 (12.20 x 21.20)	097283
	370 (14.57)	560 (22.05)	310 x 500 (12.20 x 19.68)	097284
	370 (14.57)	750 (29.53)	310 x 690 (12.20 x 27.17)	097285
	560 (22.05)	560 (22.05)	500 x 500 (19.68 x 19.68)	097286
	560 (22.05)	750 (29.53)	500 x 690 (19.68 x 27.17)	097287
	1130 (44.49)	750 (29.53)	690 x 1070 (27.17 x 42.13)	097288
<b>Spacers for Mounting at Back of Box</b>				
	Set of two insulated pillars for copper bar 12 x 4 mm (0.47 x 0.16").			
	Height = 100 mm (3.94")			097206
	Height = 50 mm (1.97")			097207
<b>Conversion Kit — Door to Cover</b>				
	Must be used to remove hinges.			
				097202
<b>Spare Hinges</b>				
	Set of Two			097201
<b>Spare Mounting Brackets — Set of Two</b>				
	One left and one right.			097200
<b>Self Adhesive Pocket for Drawings</b>				
	External dimensions: 260 x 165 mm (10.24 x 6.50")			097263
	Internal dimensions: 230 x 130 x 18 mm (9.06 x 5.12 x .071")			
	External dimensions: 340 x 235 mm (13.39 x 9.25")			097264
	Internal dimensions: 310 x 200 x 18 mm (12.20 x 7.87 x 0.71")			
<b>Additional Door Padlocking Device</b>				
	Padlock not supplied.			097209
<b>Locking Bracket</b>				
	Locks door in open position during wiring			097265


Enclosures and Junction Boxes

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### Mounting Accessories — Continued

Enclosure Dimensions mm (in)			Gland Plate/Coupling Flange Dimensions mm (in)	Catalog Number
Enclosure Width	Height			
<b>Spare Gland Plate</b>				
220 (8.66)	150 (5.91)	B/D	170 x 120 (6.69 x 4.72)	JBESGP221B
260 (10.24)	150 (5.91)	A/C	250 x 120 (9.84 x 4.72)	JBESGP261A
260 (10.24)	200 (7.87)	A/C	250 x 170 (9.84 x 6.69)	JBESGP262A
260 (10.24)	200 (7.87)	B/D	210 x 170 (8.27 x 6.69)	JBESGP262B
370 (14.57)	200 (7.87)	A/C	360 x 170 (14.17 x 6.69)	JBESGP372A
370 (14.57)	200 (7.87)	B/D	320 x 170 (12.60 x 6.69)	JBESGP372B
560 (22.05)	200 (7.87)	A/C	550 x 170 (21.65 x 6.69)	JBESGP562A
560 (22.05)	200 (7.87)	B/D	510 x 170 (20.08 x 6.69)	JBESGP562B
750 (29.53)	200 (7.87)	A/C	740 x 170 (29.13 x 6.69)	JBESGP752A
750 (29.53)	200 (7.87)	B/D	700 x 170 (27.56 x 6.69)	JBESGP752B
260 (10.24)	300 (11.81)	A/C	250 x 270 (9.84 x 10.63)	JBESGP263A
370 (14.57)	300 (11.81)	A/C	360 x 270 (14.17 x 10.63)	JBESGP373A
370 (14.57)	300 (11.81)	B/D	320 x 270 (12.60 x 10.63)	JBESGP373B
560 (22.05)	300 (11.81)	A/C	550 x 270 (21.65 x 10.63)	JBESGP563A
560 (22.05)	300 (11.81)	B/D	510 x 270 (20.08 x 10.63)	JBESGP563B
750 (29.53)	300 (11.81)	A/C	740 x 270 (29.13 x 10.63)	JBESGP753A
750 (29.53)	300 (11.81)	B/D	700 x 270 (27.56 x 10.63)	JBESGP753B
<b>Coupling Flange</b>				
260 (10.24)	200 (7.87)	A/C	250 x 120 (9.84 x 4.72)	JBESCF262A
370 (14.57)	200 (7.87)	A/C	360 x 170 (14.17 x 6.69)	JBESCF372A
370 (14.57)	200 (7.87)	B/D	320 x 170 (12.60 x 6.69)	JBESCF372B
560 (22.05)	200 (7.87)	A/C	550 x 170 (21.65 x 6.69)	JBESCF562A
560 (22.05)	200 (7.87)	B/D	510 x 170 (20.08 x 6.69)	JBESCF562B
750 (29.53)	200 (7.87)	A/C	740 x 170 (29.13 x 6.69)	JBESCF752A
750 (29.53)	200 (7.87)	B/D	700 x 170 (27.56 x 6.69)	JBESCF752B
370 (14.57)	300 (11.81)	A/C	360 x 270 (14.17 x 10.63)	JBESCF373A
370 (14.57)	300 (11.81)	B/D	320 x 270 (12.60 x 10.63)	JBESCF373B
560 (22.05)	300 (11.81)	A/C	550 x 270 (21.65 x 10.63)	JBESCF563A
560 (22.05)	300 (11.81)	B/D	510 x 270 (20.08 x 10.63)	JBESCF563B
750 (29.53)	300 (11.81)	A/C	740 x 270 (29.13 x 10.63)	JBESCF753A
750 (29.53)	300 (11.81)	B/D	700 x 270 (27.56 x 10.63)	JBESCF753B

Enclosures and Junction Boxes





# ATX™ JBES and ECES Series 316L Stainless Steel Enclosures

## Increased Safety

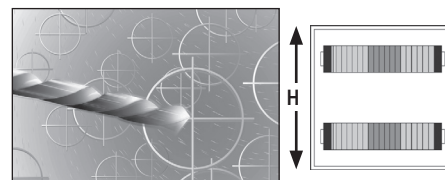
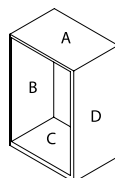
ATEX/IECEx: Zones 1 and 2 – 21 and 22  
 Notable: INMETRO Certified

### JBES Series for Terminal Junction Box Application Only.

Use the table shown below to select the proper size junction box based upon your requirements.  
 Custom drilled and equipped boxes can be configured using our drilling guide available online at [www.appleton.emerson.com](http://www.appleton.emerson.com).

Define maximum cable entries according to number of modules available per side.

Cable Entry Metric Thread	Number of Modules
M20	1
M25	1
M32	1
M40	2
M50	3



Type	Dimensions mm (in)			Number of Modules		Number of Modules ①		Terminal Dim. H — mm (in)
	Height	Width	Depth	A/C	B/D	A'/C'	B'/D'	
JBES1	120 (4.72)	120 (4.72)	95 (3.74)	5	5	—	—	220 (8.66)
JBES2	120 (4.72)	180 (7.09)	95 (3.74)	9	5	—	—	220 (8.66)
JBES3	180 (7.09)	180 (7.09)	95 (3.74)	9	9	—	—	220 (8.66)
JBES4	220 (8.66)	260 (10.24)	150 (5.91)	11	7	9	5	220 (8.66)
JBES4	260 (10.24)	220 (8.66)	150 (5.91)	7	11	5	9	260 (10.24)
JBES5	220 (8.66)	370 (14.57)	200 (7.87)	31	16	19	7	260 (10.24)
JBES5	370 (14.57)	220 (8.66)	200 (7.87)	16	31	7	9	370 (14.57)
JBES6	260 (10.24)	370 (14.57)	200 (7.87)	20	31	14	20	370 (14.57)
JBES6	370 (14.57)	260 (10.24)	200 (7.87)	31	20	19	10	260 (10.24)
JBES7	370 (14.57)	370 (14.57)	200 (7.87)	31	31	19	18	370 (14.57)
JBES9	370 (14.57)	560 (22.05)	200 (7.87)	31	49	19	31	560 (22.05)
JBES9	560 (22.05)	370 (14.57)	200 (7.87)	49	31	34	18	370 (14.57)
JBES11	370 (14.57)	750 (29.53)	200 (7.87)	31	66	19	47	750 (29.53)
JBES11	750 (29.53)	370 (14.57)	200 (7.87)	66	31	49	18	370 (14.57)
JBES13	560 (22.05)	560 (22.05)	200 (7.87)	49	49	34	31	560 (22.05)
JBES15	560 (22.05)	750 (29.53)	200 (7.87)	49	66	34	45	750 (29.53)
JBES15	750 (29.53)	560 (22.05)	200 (7.87)	66	49	49	31	560 (22.05)
JBES17	1130 (44.49)	750 (29.53)	300 (11.81)	102	—	82	—	1130 (44.49)

Enclosures and Junction Boxes

① Enclosure with gland plate.





# ATX™ JBES and ECES Series 316L Stainless Steel Enclosures

## Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22  
 Notable: INMETRO Certified

### Defining maximum terminal block quantity according to power dissipation:

					T6 -40 °C to +55 °C (-40 °F to +131 °F)							
					JBES5		JBES6		JBES7		JBES9	
					Imax 54%		Imax 55%		Imax 48%		Imax: 50%	
					Pmax: 12.54W		Pmax: 13.49W		Pmax: 17.13W		Pmax: 22.64W	
Terminal Cross Section	Manufacturer	Type	Wire Cross Section mm² (in²)	Rated Voltage	Maximum Current (A)	Terminals Maximum Quantity	Maximum Current (A)	Terminals Maximum Quantity	Maximum Current (A)	Terminals Maximum Quantity	Maximum Current (A)	Terminals Maximum Quantity
1.5	Weidmuller	A2C1.5	1.5 (0.0023)	550V	8	26	8	26	7	40	7	41
	Weidmuller	WDU2.5	2.5 (0.0039)	690V	12	20	13	20	11	30	12	30
2.5	Weidmuller	ZDU2.5	2.5 (0.0039)	550V	11	19	12	19	10	29	11	30
	Phoenix	UT2.5	2.5 (0.0039)	690V	11	26	11	26	10	40	10	39
	Phoenix	PT2.5	2.5 (0.0039)	550V	10	28	10	28	9	43	9	44
	Phoenix	MBK3/E-Z	2.5 (0.0039)	275V	11	26	11	26	10	39	10	39
	Wago	WAGO 2002	2.5 (0.0039)	550V	11	20	11	20	10	31	10	32
	Wago	WAGO2202	2.5 (0.0039)	550V	11	20	12	20	10	31	11	32
	Weidmuller	A2C2.5	2.5 (0.0039)	550V	10	23	11	23	9	36	10	37
	Weidmuller	AKZ2.5	2.5 (0.0039)	220V	12	16	13	16	11	25	12	25
4	Weidmuller	WDU4	4 (0.0062)	690V	17	18	17	18	15	27	16	27
	Weidmuller	ZDU4	4 (0.0062)	550V	15	18	15	18	13	28	14	29
	Phoenix	UT4	4 (0.0062)	690V	16	20	16	20	14	31	15	31
	Weidmuller	A2C4	4 (0.0062)	550V	15	18	15	18	13	28	14	29
	Weidmuller	AKZ4	4 (0.0062)	275V	17	13	17	13	15	21	16	22
6	Weidmuller	WDU6	6 (0.0093)	690V	22	16	22	16	19	25	20	24
	Weidmuller	ZDU6	6 (0.0093)	550V	21	13	21	13	18	20	19	21
	Phoenix	UT6	6 (0.0093)	690V	21	17	22	17	19	26	20	25
	Weidmuller	A2C6	6 (0.0093)	550V	19	14	20	14	17	22	18	23
10	Weidmuller	WDU10	10 (0.0155)	690V	30	13	31	13	27	20	28	20
	Weidmuller	ZDU10	10 (0.0155)	690V	27	12	28	12	24	18	25	19
	Phoenix	UT10	10 (0.0155)	690V	29	15	29	15	25	22	27	23
16	Weidmuller	WDU6	16 (0.0248)	690V	41	11	41	11	36	17	38	17
	Phoenix	UT16	16 (0.0248)	690V	39	11	40	12	35	18	36	18
	Weidmuller	ZDU16	16 (0.0248)	690V	36	18	37	18	32	27	34	26
35	Weidmuller	WDU35	35 (0.0543)	690V	62	9	63	9	55	14	57	14
	Weidmuller	ZDU35	35 (0.0543)	690V	59	7	60	7	52	11	55	12
	Phoenix	UT35	35 (0.0543)	690V	66	9	67	9	59	13	61	14
50	Weidmuller	WDU50N	50 (0.0775)	690V	68	8	69	8	60	13	63	14
70	Weidmuller	WDU70N	70 (0.1085)	690V	99	4	101	5	88	7	92	8
120	Weidmuller	WDU95N/120N	95 (0.1473)	880V	119	4	121	4	106	6	110	7

Enclosures and Junction Boxes

# ATX™ JBES and ECES Series 316L Stainless Steel Enclosures

Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22  
 Notable: INMETRO Certified

Defining maximum terminal block quantity according to power dissipation:

T6 -40 °C to +55 °C (-40 °F to +131 °F)												
JBES11                      JBES13                      JBES15                      JBES17												
Imax 49%                      Imax 43%                      Imax 45%                      Imax: 50%												
Pmax: 26.03 W                      Pmax: 38.13                      Pmax: 47.83 W                      Pmax: 90.23 W												
Terminal Cross Section	Manufacturer	Type	Wire Cross Section (mm²)	Rated Voltage	Maximum Current (A)	Terminals Maximum Quantity	Maximum Current (A)	Terminals Maximum Quantity	Maximum Current (A)	Terminals Maximum Quantity	Maximum Current (A)	Terminals Maximum Quantity
1.5	Weidmuller	A2C1.5	1.5 (0.0023)	550V	7	41	6	82	6	82	6	107
	Weidmuller	WDU2.5	2.5 (0.0039)	690V	11	30	10	60	10	59	11	75
	Weidmuller	ZDU2.5	2.5 (0.0039)	550V	10	31	9	60	9	62	10	81
	Phoenix	UT2.5	2.5 (0.0039)	690V	10	39	9	78	9	77	9	98
	Phoenix	PT2.5	2.5 (0.0039)	550V	9	44	8	88	8	87	8	113
2.5	Phoenix	MBK3/E-Z	2.5 (0.0039)	275V	10	38	9	77	9	76	9	97
	Wago	WAGO 2002	2.5 (0.0039)	550V	10	33	9	65	9	66	9	87
	Wago	WAGO2202	2.5 (0.0039)	550V	10	32	9	64	9	64	10	83
	Weidmuller	A2C2.5	2.5 (0.0039)	550V	9	37	8	74	9	75	9	98
	Weidmuller	AKZ2.5	2.5 (0.0039)	220V	11	26	10	52	10	52	11	68
	Weidmuller	WDU4	4 (0.0062)	690V	15	26	13	53	14	52	14	67
	Weidmuller	ZDU4	4 (0.0062)	550V	13	29	12	58	12	59	12	78
4	Phoenix	UT4	4 (0.0062)	690V	14	30	12	61	13	60	13	76
	Weidmuller	A2C4	4 (0.0062)	550V	13	29	12	58	12	59	12	78
	Weidmuller	AKZ4	4 (0.0062)	275V	15	22	13	45	14	45	14	60
	Weidmuller	WDU6	6 (0.0093)	690V	20	24	17	49	18	48	18	61
6	Weidmuller	ZDU6	6 (0.0093)	550V	19	22	16	43	17	44	17	59
	Phoenix	UT6	6 (0.0093)	690V	19	25	17	51	18	50	18	64
	Weidmuller	A2C6	6 (0.0093)	550V	18	24	15	48	16	49	17	66
	Weidmuller	WDU10	10 (0.0155)	690V	27	20	24	41	25	40	26	52
10	Weidmuller	ZDU10	10 (0.0155)	690V	24	20	21	40	22	41	23	56
	Phoenix	UT10	10 (0.0155)	690V	26	22	23	45	24	45	24	58
	Weidmuller	WDU6	16 (0.0248)	690V	37	17	32	34	34	34	34	45
16	Phoenix	UT16	16 (0.0248)	690V	36	18	31	37	33	37	33	48
	Weidmuller	ZDU16	16 (0.0248)	690V	33	25	29	51	30	50	31	62
	Weidmuller	WDU35	35 (0.0543)	690V	56	15	49	30	51	30	52	40
35	Weidmuller	ZDU35	35 (0.0543)	690V	53	13	47	25	49	26	50	37
	Phoenix	UT35	35 (0.0543)	690V	60	14	52	28	55	28	56	37
50	Weidmuller	WDU50N	50 (0.0775)	690V	61	15	54	30	56	31	57	43
70	Weidmuller	WDU70N	70 (0.1085)	690V	90	9	79	17	82	18	84	26
120	Weidmuller	WDU95N/120N	95 (0.1473)	880V	108	7	95	15	99	16	101	23

Enclosures and Junction Boxes

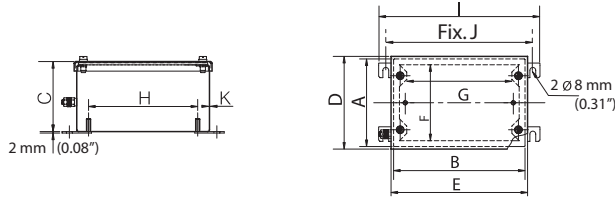
# ATX™ JBES and ECES Series 316L Stainless Steel Enclosures

## Increased Safety

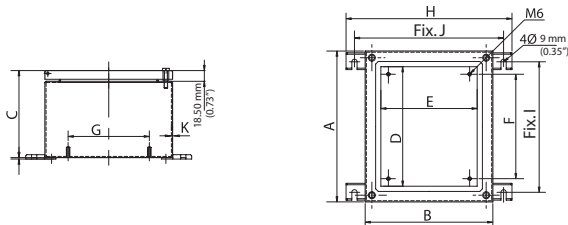
ATEX/IECEx: Zones 1 and 2 – 21 and 22  
 Notable: INMETRO Certified

### Dimensions in Millimeters (Inches)

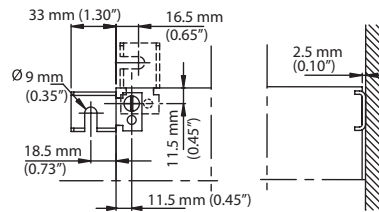
#### Box 95 (3.74) Depth



#### Box 200 (7.87) or 300 (11.81) Depth



#### Mounting Bracket



L x W x D mm (in)	A	B	C	D	E	F	G	H	I	J	K
<b>Box Depth 95 (3.74)</b>											
120 x 120 x 95 (4.72 x 4.72 x 3.74)	120 (4.72)	120 (4.72)	95 (3.74)	127 (5.00)	127 (5.00)	104 (4.09)	84 (3.31)	88 (3.46)	160 (6.30)	140 (5.51)	1.5 (0.06)
120 x 180 x 95 (4.72 x 7.09 x 3.74)	120 (4.72)	180 (7.09)	95 (3.74)	127 (5.00)	187 (7.36)	104 (4.09)	144 (5.67)	148 (5.83)	220 (8.66)	200 (7.87)	1.5 (0.06)
180 x 180 x 95 (7.06 x 7.09 x 3.74)	180 (7.09)	180 (7.09)	95 (3.74)	187 (7.36)	187 (7.36)	164 (6.47)	144 (5.67)	148 (5.83)	220 (8.66)	200 (7.87)	1.5 (0.06)
<b>Box Depth 200 (7.87)</b>											
220 x 370 x 200 (8.66 x 14.57 x 7.87)	220 (8.66)	370 (14.57)	200 (7.87)	166 (6.54)	316 (12.44)	140 (5.51)	290 (11.42)	436 (17.17)	185 (7.28)	407 (16.02)	1.5 (0.06)
370 x 260 x 200 (14.57 x 10.24 x 7.87)	370 (14.57)	260 (10.24)	200 (7.87)	316 (12.44)	206 (8.11)	290 (11.42)	180 (7.09)	326 (12.83)	335 (13.19)	297 (11.69)	1.5 (0.06)
370 x 370 x 200 (14.57 x 14.57 x 7.87)	370 (14.57)	370 (14.57)	200 (7.87)	316 (12.44)	316 (12.44)	290 (11.42)	290 (11.42)	436 (17.17)	335 (13.19)	407 (16.02)	2 (0.08)
560 x 370 x 200 (22.05 x 14.57 x 7.87)	560 (22.05)	370 (14.57)	200 (7.87)	506 (19.92)	316 (12.44)	480 (18.90)	290 (11.42)	436 (17.17)	525 (20.67)	407 (16.02)	2 (0.08)
750 x 370 x 200 (29.53 x 14.57 x 7.87)	750 (29.53)	370 (14.57)	200 (7.87)	695 (27.36)	316 (12.44)	670 (26.38)	290 (11.42)	436 (17.17)	715 (28.15)	407 (16.02)	2 (0.08)
560 x 560 x 200 (22.05 x 22.05 x 7.87)	560 (22.05)	560 (22.05)	200 (7.87)	506 (19.92)	506 (19.92)	480 (18.90)	480 (18.90)	626 (24.65)	525 (20.67)	597 (23.50)	2 (0.08)
750 x 560 x 200 (29.53 x 22.05 x 7.87)	750 (29.53)	560 (22.05)	200 (7.87)	696 (27.40)	506 (19.92)	670 (26.38)	480 (18.90)	626 (24.65)	715 (28.15)	597 (23.50)	2 (0.08)
<b>Box Depth 300 (11.81)</b>											
370 x 370 x 300 (14.57 x 14.57 x 11.81)	370 (14.57)	370 (14.57)	300 (11.81)	316 (12.44)	316 (12.44)	290 (11.42)	290 (11.42)	436 (17.17)	335 (13.19)	407 (16.02)	2 (0.08)
560 x 370 x 300 (22.05 x 14.57 x 11.81)	560 (22.05)	370 (14.57)	300 (11.81)	506 (19.92)	316 (12.44)	480 (18.90)	290 (11.42)	436 (17.17)	525 (20.67)	407 (16.02)	2 (0.08)
750 x 370 x 300 (29.53 x 14.57 x 11.81)	750 (29.53)	370 (14.57)	300 (11.81)	695 (27.36)	316 (12.44)	670 (26.38)	290 (11.42)	436 (17.17)	715 (28.15)	407 (16.02)	2 (0.08)
560 x 560 x 300 (22.05 x 22.05 x 11.81)	560 (22.05)	560 (22.05)	300 (11.81)	506 (19.92)	506 (19.92)	480 (18.90)	480 (18.90)	626 (24.65)	525 (20.67)	597 (23.50)	2 (0.08)
750 x 560 x 300 (29.53 x 22.05 x 11.81)	750 (29.53)	560 (22.05)	300 (11.81)	696 (27.40)	506 (19.92)	670 (26.38)	480 (18.90)	626 (24.65)	715 (28.15)	597 (23.50)	2 (0.08)
1130 x 750 x 300 (44.49 x 29.53 x 11.81)	1130 (44.49)	750 (29.53)	300 (11.81)	1076 (42.36)	506 (19.92)	1050 (41.34)	670 (26.38)	816 (32.13)	1095 (43.11)	787 (30.98)	2 (0.08)

Enclosures and Junction Boxes