

07-56...-.... Junction box

Ex e Stainless Steel Junction box for Zone 1/21



BARTEC Junction and Terminal boxes are designed and approved for Zone 1 and 2 as well as Zone 21 and 22. They are particularly suitable for applications under extreme environmental conditions, and they provide reliable protection under heavy loads.

The housings are made of 1.4301 (V2 A) or 1.4404 stainless steel (V4 A). The series includes empty housings and distribution boxes with door or cover. From a housing height of 120 mm, the housings can be supplied with or without flange plates. In addition to 25 standard sizes, approved customer-specific design variants are also available.

- Zones 1/21 und 2/22
- Extremely robust
- Fully bolted or hinged



Explosion protection

Marking acc. to EN 60079-0	⊕ II 2G Ex eb IIC T6, T5 Gb ⊕ II 2G Ex eb ia/ib IIC T6, T5 Gb ⊕ II 2D Ex tb IIIC T80 °C, T95 °C Db
Certification	IBExU99ATEX1096 IECExIBE09.0017
Other approvals and certificates, see bartec.com	
Ambient temperature range	-20 °C (-40 °C) to +40 °C at T6 -20 °C (-40 °C) to +55 °C at T5 (special temperature ranges on request)

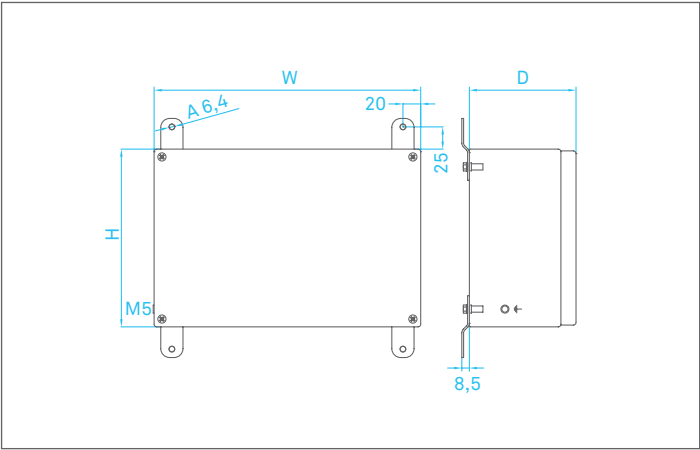
Technical data

Material	1.4404, AISI 316 L high quality stainless steel optional 1.4301, AISI 304 high quality stainless steel
Surface	brushed, painted or electro polished on request
Standard seals	Silicone: -40 °C to +55 °C EPDM: -20 °C to +55 °C
Mechanical strength	Impact energy 7 Nm
Version	with or without gland plates
Standard sizes	see selection chart
Protection class	max. IP 66 EN/IEC 60529
Rated maximum current	please refer to Operating Instructions Document, page 7-17

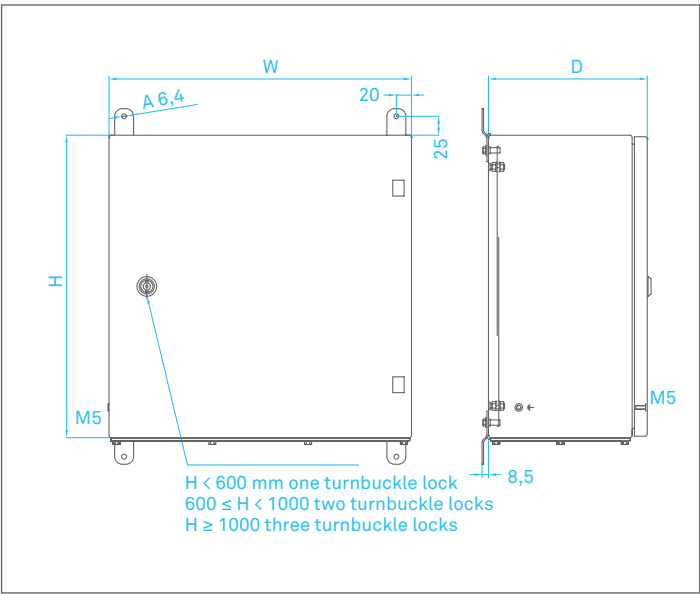
Scope of delivery

The scope of delivery includes wall attachment straps, internal and external PE connection, as well as a mounting plate for the empty housings/distribution cabinets.

Enclosure dimensions



Enclosure dimensions



Ordering information

Version	Code no.	Enclosure with lid (w x h x d)	Code no.	Enclosure with hinged door (w x h x d)	Code no.	Flanges Side A, B, (E)	Code no.	Flanges Side C, D, (E)	Code no.
Empty Enclosure Ex e	1	100 x 100 x 60 mm	17	200 x 300 x 155 mm	51	without	1	without	1
		150 x 150 x 80 mm	01						
Junction Box Ex e II	2	400 x 150 x 80 mm	10	380 x 300 x 155 mm	54	Face A	2	Face C	2
		200 x 200 x 80 mm	03	300 x 380 x 210 mm	52				
		300 x 200 x 80 mm	22						
Junction Box Ex e [ia/ib] II C	3	150 x 150 x 100 mm	02	400 x 400 x 210 mm	57	Face B	3	Face D	3
		200 x 200 x 120 mm	04						
Junction Box Ex i II	4	300 x 200 x 120 mm	06	400 x 600 x 210 mm	58	Face A + B	4	Face C + D	4
		400 x 200 x 120 mm	11	600 x 600 x 210 mm	59				
		600 x 200 x 120 mm	25						
Junction Box Ex i II	5	300 x 300 x 120 mm	07	600 x 760 x 210 mm	60	Face E + A	5	Face E + C	5
		300 x 300 x 160 mm	08	600 x 800 x 300 mm	61				
Junction Box Ex i II	6	380 x 380 x 160 mm	26	800 x 800 x 300 mm	62	Face E + B	6	Face E + D	6
		400 x 200 x 160 mm	12						
Junction Box Non-Ex	7	400 x 400 x 160 mm	14	800 x 1000 x 300 mm	63	Face E + A + B	7	Face E + D + C	7
		500 x 400 x 160 mm	15						

Design	Code no.	
	304	316 L
Enclosure with screwed lid	A	B
Enclosure with hinged door	C	D

0 7 - 5 6 * * - * * * *

Complete order no.

Example: Ex e distribution box with hinged door
Dimensions: 400 x 400 x 210 mm with gland plates on face B + C + D
Type 07-56D2-5734

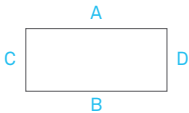
The table on this page applies to the junction and terminal boxes.

High-quality stainless steel junction boxes Rail-mounted terminal components/maximum number

High-quality stainless steel junction boxes without flanges Article no.	External dimensions in mm (L x W x H) Lid	AKZ4 03-7112-0008		WDU 2.5 03-7111-0012		WDU 4 03-7112-0015	
		Mounting rail	Mounting rail	Mounting rail	Mounting rail	Mounting rail	Mounting rail
07-56□□-1711	100 x 100 x 60	1	7	-	-	-	-
07-56□□-0111	150 x 150 x 80	2	13	1	16	1	13
07-56□□-1011	400 x 150 x 80	2	54	1	65	1	54
07-56□□-0311	200 x 200 x 80	2	21	1	25	1	21
07-56□□-2211	300 x 200 x 80	2	37	1	45	1	38
07-56□□-0211	150 x 150 x 100	2	13	1	16	1	13
07-56□□-0411	200 x 200 x 120	-	-	1	25	1	21
07-56□□-0611	300 x 200 x 120	-	-	1	45	1	38
07-56□□-1111	400 x 200 x 120	-	-	1	65	1	54
07-56□□-2511	600 x 200 x 120	-	-	1	104	1	87
07-56□□-0711	300 x 300 x 120	-	-	2	45	2	38
07-56□□-0811	300 x 300 x 160	-	-	2	45	2	38
07-56□□-2611	380 x 380 x 160	-	-	3	61	3	51
07-56□□-1211	400 x 200 x 160	-	-	1	65	1	54
07-56□□-1411	400 x 400 x 160	-	-	4	65	4	54
07-56□□-1511	500 x 400 x 160	-	-	4	84	4	70
	Hinged door						
07-56□□-5111	200 x 300 x 155	-	-	2	21	2	18
07-56□□-5411	380 x 300 x 155	-	-	2	60	2	50
07-56□□-5211	300 x 380 x 210	-	-	3	45	3	37
07-56□□-5711	400 x 400 x 210	-	-	3	64	3	54
07-56□□-5811	400 x 600 x 210	-	-	5	64	5	54
07-56□□-5911	600 x 600 x 210	-	-	5	103	5	86
07-56□□-6011	600 x 760 x 210	-	-	6	103	6	86
07-56□□-6111	600 x 800 x 300	-	-	7	103	7	86
07-56□□-6211	800 x 800 x 300	-	-	7	142	7	118
07-56□□-6311	800 x 1000 x 300	-	-	9	142	9	118

REMARK:
Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.

The table on this page applies to the junction and terminal boxes.



High-quality stainless steel junction boxes without flanges Rail-mounted terminal components/maximum number

Article no.	External dimensions in mm (L x W x H) Lid	Side	M12 x 1.5	M16 x 1.5	M20 x 1.5	M25 x 1.5	M32 x 1.5	M40 x 1.5	M50 x 1.5	M63 x 1.5
07-56□□-1711	100 x 100 x 60	A/B C/D	3 3	2 2	1 1	1 -	- -	- -	- -	- -
07-56□□-0111	150 x 150 x 80	A/B C/D	14 16	5 7	4 5	2 2	1 2	- -	- -	- -
07-56□□-1011	400 x 150 x 80	A/B C/D	45 14	24 7	18 6	7 2	6 2	- -	- -	- -
07-56□□-0311	200 x 200 x 80	A/B C/D	20 23	10 11	6 8	3 3	2 2	- -	- -	- -
07-56□□-2211	300 x 200 x 80	A/B C/D	31 22	17 11	12 7	6 4	4 2	- -	- -	- -
07-56□□-0211	150 x 150 x 100	A/B C/D	18 21	11 12	7 7	3 3	2 2	1 1	1 1	1 1
07-56□□-0411	200 x 200 x 120	A/B C/D	37 30	20 20	15 13	7 7	4 4	2 2	2 2	2 2
07-56□□-0611	300 x 200 x 120	A/B C/D	59 35	32 19	21 13	11 7	7 5	4 2	3 2	3 2
07-56□□-1111	400 x 200 x 120	A/B C/D	64 35	34 20	28 13	15 7	9 4	6 2	5 2	4 2
07-56□□-2511	600 x 200 x 120	A/B C/D	82 30	78 20	47 13	23 7	15 5	9 2	7 2	6 2
07-56□□-0711	300 x 300 x 120	A/B C/D	60 50	35 29	22 21	11 11	7 7	4 4	3 3	3 3
07-56□□-0811	300 x 300 x 160	A/B C/D	75 68	46 47	30 31	16 17	10 9	7 7	5 5	4 4
07-56□□-2611	380 x 380 x 160	A/B C/D	96 93	60 59	40 39	21 23	11 12	9 9	6 6	5 5
07-56□□-1211	400 x 200 x 160	A/B C/D	97 40	61 30	40 17	23 11	13 6	9 4	7 3	5 2
07-56□□-1411	400 x 400 x 160	A/B C/D	105 104	61 63	41 43	21 21	13 12	9 9	7 7	5 5
07-56□□-1511	500 x 400 x 160	A/B C/D	126 104	79 63	64 43	28 21	16 12	12 9	9 7	7 5
Hinged door										
07-56□□-5111	200 x 300 x 155	A/B C/D	48 74	28 46	18 32	10 17	6 9	4 7	3 4	2 3
07-56□□-5411	380 x 300 x 155	A/B C/D	91 74	51 46	39 32	21 17	12 9	9 7	6 4	5 3
07-56□□-5211	300 x 380 x 210	A/B C/D	104 107	60 69	40 50	23 23	17 15	8 9	6 8	6 7
07-56□□-5711	400 x 400 x 210	A/B C/D	136 115	84 72	55 51	31 23	21 18	10 10	10 9	8 7
07-56□□-5811	400 x 600 x 210	A/B C/D	144 183	84 116	55 65	31 35	21 29	10 15	10 14	8 12
07-56□□-5911	600 x 600 x 210	A/B C/D	208 194	120 120	85 70	42 35	30 29	16 15	14 14	13 11
07-56□□-6011	600 x 760 x 210	A/B C/D	170 228	120 148	80 100	51 47	30 37	16 19	14 17	12 16
07-56□□-6111	600 x 800 x 300	A/B C/D	324 411	189 252	119 147	72 78	40 51	28 32	21 27	19 26
07-56□□-6211	800 x 800 x 300	A/B C/D	452 403	234 231	147 159	94 83	52 51	30 32	29 29	27 26
07-56□□-6311	800 x 1000 x 300	A/B C/D	452 554	234 300	147 194	94 102	52 67	30 42	29 35	27 32