

Terminal Boxes

Series 8150



www.stahl.de



- > Enclosures made of stainless steel, brush finished 1.4301 (AISI 304) or 1.4404 (AISI 316L)
- > Optionally with hinges / cam lock or screw-on cover
- > Hinge versions with large opening angle 130°
- > Extended ambient temperature range due to high-quality seal materials
- > Circumferential protection channel prevents water entry
- > External earth connection M8
- > Flange plate tightened from the outside enables simple installation
- > Degree of protection IP66



12667E00

		ATEX / IECEx								NEC 505			NEC 506					NEC 500					
										Class I								Class I		Class II		Class III	
Zone		0	1	2	20	21	22	Zone		0	1	2	20	21	22	Division		1	2	1	2	1	2
For use in			x	x		x	x	For use in			x	x				For use in			x				

WebCode 8150A

Terminal Boxes

Series 8150

Advantages of the 8150 series



The new shape of the drainage edges allows quick water drainage and prevents standing water from accumulating around the seal. This solution helps to increase the safety inside the enclosure.

12660E00



The flange plate mounted from the outside is another advantage of this enclosure: This guarantees a perfect accessibility - even if the cables are already built-in.

13128E00



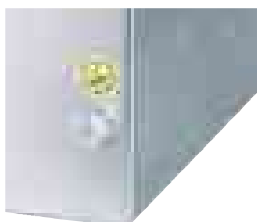
The large opening angle provides comfortable access and enables easy and fast work.

13130E00



If regular access to the enclosure is required, the version equipped with a cam lock (or a hinge) is recommended.

12659E00



The M8 earth connection is already included in the delivery. In addition, there are different mounting possibilities.

13129E00

Terminal Boxes

Series 8150



Advantages of the 8150 series



16639E00

The locking device is used to lock the sash locks by way of a padlock. These can be easily mounted and retrofitted.



16636E00

Enclosures that are opened from the top must be provided with a cover support. These make it possible to hold the enclosure cover open in different positions.



16959E00

The modular construction design of the sunroof system allows several enclosures to be covered simultaneously. This sunroof system can be retrofitted at any time. The bayonet hanging system enables quick and easy mounting.



17721E00

The terminal box is optionally available with interior construction on Z rails or with mounting rails made from 1.4404 stainless steel (AISI316L).



17812E00

Label holder bridge for subsequent retrofitting of labels. The label holder is available on request, allowing easier on-site mounting of labels. The label holder is available in various sizes.



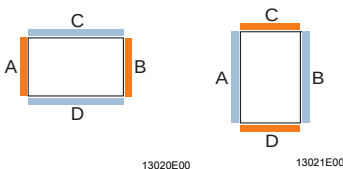
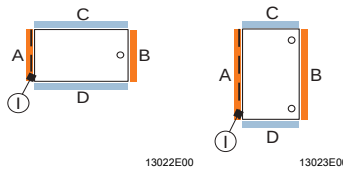
17813E00

E4

Terminal Boxes

Series 8150

Order number supplement

8150/1-.....	Ex e or Ex e ia/ib version
8150/2-.....	Ex i version
8150/-.....	Dimension side C/D
8150/-.....	Dimension side A/B
	without hinge  with hinge  I = hinge
8150/-.....-091-....	Depth 91 mm
8150/-.....-150-....	Depth 150 mm
8150/-.....-190-....	Depth 190 mm
8150/-.....-230-....	Depth 230 mm
8150/-.....-2...	Stainless steel 1.4301
8150/-.....-3...	Stainless steel 1.4404
8150/-.....-3..	Brushed (line pattern)
8150/-.....-1.	Cover fixed with screws
8150/-.....-2.	Cover with hinge and sash lock

Enclosure height

	91 mm	150 mm	190 mm	230 mm	With hinge
	8150/-.....-091-3.1	8150/-.....-150-3.1	8150/-.....-190-3.1	8150/-.....-230-3.1	
8150/-0116-0116-....-311	x				
8150/-0176-0116-....-311	x				
8150/-0176-0176-....-311	x				
8150/-0236-0176-....-311	x	x			
8150/-0176-0236-....-3.1		x			x
8150/-0300-0200-....-3.1		x			x
8150/-0200-0300-....-3.1		x			x
8150/-0360-0176-....-311	x	x			
8150/-0176-0360-....-3.1		x			x
8150/-0360-0360-....-3.1	x	x	x	x ¹⁾	x
8150/-0400-0300-....-3.1		x ¹⁾		x	x
8150/-0300-0400-....-3.1		x		x	x
8150/-0400-0400-....-3.1		x ³⁾		x ³⁾	x
8150/-0550-0360-....-3.1				x	x
8150/-0360-0550-....-321				x ²⁾	x
8150/-0600-0400-....-3.1		x ¹⁾		x	x
8150/-0400-0600-....-3.1		x		x	x
8150/-0727-0360-....-311	x	x	x		
8150/-0360-0727-....-321		x ²⁾	x ²⁾		x
8150/-0600-0600-....-3.1		x		x	x
8150/-0787-0480-....-321				x	x
8150/-0480-0787-....-3.1				x ²⁾	x

x = available
¹⁾ = without hinge
²⁾ = only with hinge
³⁾ = Depth 300

Terminal Boxes

Series 8150



Version 116 x 116 and 176 x 116 (horizontal)

Terminal box up to 35 mm²

		Max. number of terminals																						
		Wago																						
Nominal cross-section [mm²]		2.5				4									6					10				
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE		
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2		
Mounting rail placement		A C B D 12971E00 <th>Number of mounting rails</th> <td>2001 - 1201</td> <td>2001 - 1204</td> <td>2001 - 1207</td> <td>2001 - 1307</td> <td>2002 - 1201</td> <td>2002 - 1202</td> <td>2002 - 1204</td> <td>2002 - 1207</td> <td>2002 - 1401</td> <td>2002 - 1407</td> <td>2002 - 1301</td> <td>2002 - 1304</td> <td>2002 - 1307</td> <td>2004 - 1201</td> <td>2004 - 1204</td> <td>2004 - 1207</td> <td>2004 - 1301</td> <td>2004 - 1407</td> <td>2006 - 1201</td> <td>2006 - 1204</td> <td>2006 - 1207</td>	Number of mounting rails	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207
8150/-0116-0116-...-3.1			1	14	14	14	14	11	11	11	11	-	-	11	11	11	9	9	9	-	-	-	-	-
8150/-0176-0116-...-3.1			1	17	17	17	17	14	14	14	14	-	-	14	14	14	12	12	12	-	-	-	-	-

E4

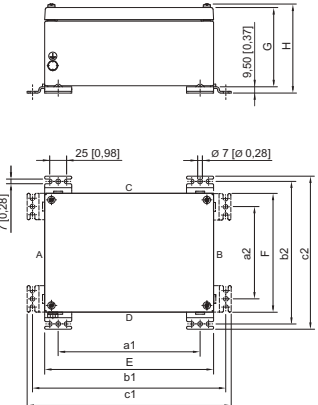
Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	91 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	W x H	without flange				Flange			W x H	without flange				Flange		
	116 x 116	A	B	C	D	A/B	C/D		176 x 116	A	B	C	D	A/B	C/D	
D = 91 mm	M16 x 1.5	6	6	5	5	-	-	D = 91 mm	M16 x 1.5	6	6	12	12	-	-	
	M20 x 1.5	4	4	3	3	-	-		M20 x 1.5	4	4	8	8	-	-	
	M25 x 1.5	2	2	2	2	-	-		M25 x 1.5	2	2	4	4	-	-	
	M32 x 1.5	1	1	1	1	-	-		M32 x 1.5	1	1	3	3	-	-	
	M40 x 1.5	1	1	1	1	-	-		M40 x 1.5	1	1	2	2	-	-	
	M50 x 1.5	-	-	-	-	-	-		M50 x 1.5	-	-	-	-	-	-	
	M63 x 1.5	-	-	-	-	-	-		M63 x 1.5	-	-	-	-	-	-	

Dimensional Drawing (All Dimensions in mm) - Subject to Alterations

 12648E00		Dimensions in mm	Depth 91 mm	Dimensions in mm	Depth 91 mm
		a1	76	a1	136
		a2	76	a2	76
		b1	152	b1	212
		b2	152	b2	152
		c1	168	c1	228
		c2	168	c2	168
		E	116,5	E	176,5
		F	116,5	F	116,5
		G	91	G	91
		H	106	H	106

Type 8150/-0116-0116-...-3.1 Type 8150/-0176-0116-091-...1.

Terminal Boxes

Series 8150

Version 176 x 176

Terminal box up to 35 mm²

		Max. number of terminals																					
		Wago																					
Nominal cross-section [mm²]		2.5				4								6				10					
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2	
Mounting rail placement																							
	12970E00	Number of mounting rails	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207
8150/-0176-0176-...-3.1	1		23	23	23	23	19	19	19	19	19	19	19	19	19	16	16	16	16	16	13	13	13

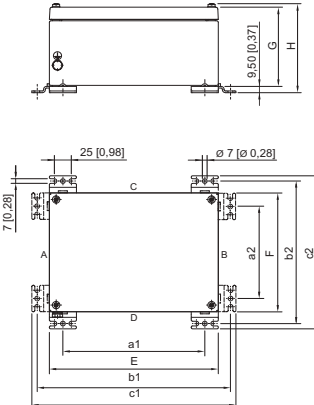
Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	91 mm
Terminal boxes equipped with terminals > 35 to 300 mm² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	D = 91 mm	W x H	without flange				Flange	
		176 x 176	A	B	C	D	A/B	C/D
		M16 x 1.5	11	11	12	12	-	-
		M20 x 1.5	8	8	8	8	-	-
		M25 x 1.5	4	4	4	4	-	-
		M32 x 1.5	3	3	3	3	-	-
		M40 x 1.5	2	2	2	2	-	-
		M50 x 1.5	-	-	-	-	-	-
		M63 x 1.5	-	-	-	-	-	-

Dimensional Drawing (All Dimensions in mm) - Subject to Alterations

		Dimensions in mm	Depth
			91 mm
 12648E00	a1	136	
	a2	136	
	b1	212	
	b2	212	
	c1	228	
	c2	228	
	E	176.5	
	F	176.5	
		G	91
		H	106
Type 8150/-0176-0176-091-...1.			

Terminal Boxes

Series 8150



Version 236 x 176 (horizontal)

Terminal box up to 35 mm²

		Max. number of terminals																					
		Wago																					
Nominal cross-section [mm²]		2,5				4										6					10		
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2	
Mounting rail placement																							
	Number of mounting rails																						
12969E00		2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207	
8150/-0236-0176-...-3.1	1	37	37	37	37	27	27	27	27	27	27	27	27	27	23	23	23	23	23	21	21	21	

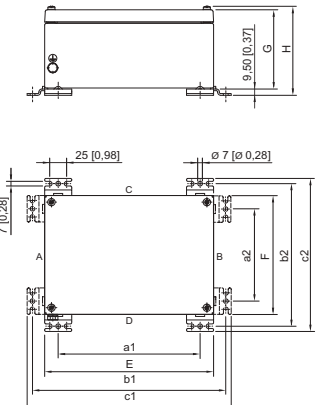
Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	91 mm; 150 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	W x H	without flange				Flange			W x H	without flange				Flange		
	236 x 176	A	B	C	D	A/B	C/D		236 x 176	A	B	C	D	A/B	C/D	
D = 91 mm	M16 x 1.5	11	11	14	14	-	4	D = 150 mm	M16 x 1.5	28	28	41	41	9	17	
	M20 x 1.5	8	8	11	11	-	4		M20 x 1.5	17	17	26	26	6	10	
	M25 x 1.5	4	4	5	5	-	2		M25 x 1.5	10	10	16	16	4	7	
	M32 x 1.5	3	3	4	4	-	-		M32 x 1.5	6	6	10	10	2	5	
	M40 x 1.5	2	2	3	3	-	-		M40 x 1.5	4	4	6	6	1	3	
	M50 x 1.5	-	-	-	-	-	-		M50 x 1.5	3	3	4	4	1	2	
	M63 x 1.5	-	-	-	-	-	-		M63 x 1.5	2	2	2	2	-	2	

Dimensional Drawing (All Dimensions in mm) - Subject to Alterations

 12648E00	Dimensions in mm	
	91 mm	150 mm
a1	196	196
a2	136	136
b1	272	272
b2	212	212
c1	288	288
c2	228	228
E	236.5	236.5
F	176.5	176.5
G	91	150
H	106	165

Type 8150/-0236-0176-091-...1. and 8150/-0236-0176-150-...1.

Terminal Boxes

Series 8150

Version 176 x 236 (vertical)

Terminal box up to 35 mm²

		Max. number of terminals																				
		Wago																				
Nominal cross-section [mm²]		2.5				4								6				10				
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2
Mounting rail placement																						
A C B D  19085E00	Number of mounting rails																					
8150/-0176-0236-...-3.1		1	37	37	37	37	27	27	27	27	27	27	27	27	27	23	23	23	23	23	21	21

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm
Terminal boxes equipped with terminals > 35 to 300 mm² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161



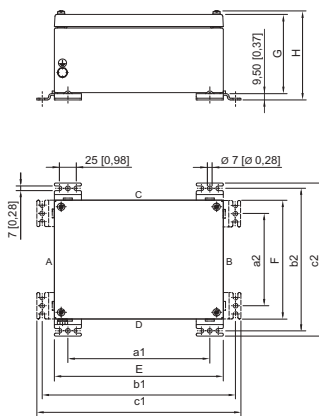
05864E00

W x H	without flange				Flange	
176 x 236	A	B	C	D	A/B	C/D
M16 x 1.5	67	67	28	28	a	9
M20 x 1.5	42	42	17	17		6
M25 x 1.5	26	26	10	10		4
M32 x 1.5	19	19	6	6		2
M40 x 1.5	10	10	4	4		1
M50 x 1.5	6	6	3	3		1
M63 x 1.5	4	4	2	2	-	

D = 150 mm

a = on request

Dimensional Drawings (all dimensions in mm) - Subject to alterations

 12648E00	Dimensions in mm	Depth 150 mm	Depth 150 mm*
	a1	136	136
	a2	196	196
	b1	212	212
	b2	272	272
	c1	228	228
	c2	288	288
	E	176.5	176.5
	F	236.5	236.5
	G	150	150
	H	165	163.5

Type 8150/-0176-0236-150-...1.
Type 8150/-0176-0236-150-...2.*

* with hinge or cam lock

Terminal Boxes

Series 8150

STAHL

Version 300 x 200 (horizontal)

Terminal box up to 35 mm²

Nominal cross-section [mm ²]	Max. number of terminals																	
	Wago																	
Colour	2.5				4								6				10	
	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4
Mounting rail placement																		
 12968E00  12967E00	Number of mounting rails																	
	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407
8150/-0300-0200-...-3.1	1	54	54	54	54	43	43	43	43	43	43	43	43	36	36	36	36	36
8150/-0300-0200-...-3.1	2	108	108	108	-	86	86	86	86	-	-	-	-	72	72	72	-	-

E4

Note

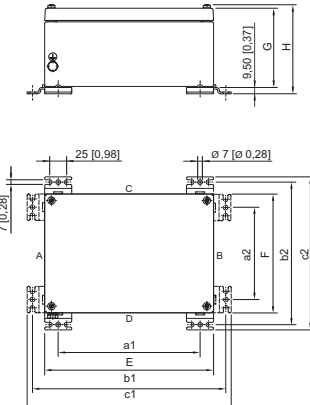
Order numbers for enclosures with mounting rails and PE or PA rails	
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm

Terminal boxes equipped with terminals > 35 to 300 mm² on request

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00 D = 150 mm	W x H	without flange				Flange	
	300 x 200	A	B	C	D	A/B	C/D
M16 x 1,5		33	33	54	54	9	17
M20 x 1,5		20	20	34	34	6	10
M25 x 1,5		12	12	21	21	4	7
M32 x 1,5		7	7	16	16	2	5
M40 x 1,5		5	5	8	8	1	3
M50 x 1,5		3	3	5	5	1	2
M63 x 1,5		2	2	3	3	-	2

Dimensional Drawings (all dimensions in mm) - Subject to alterations

 12648E00	Dimensions in mm	Depth	
		150 mm	150 mm*
a1	260	260	
a2	160	160	
b1	336	336	
b2	236	236	
c1	352	352	
c2	252	252	
E	300	300	
F	200	200	
G	150	150	
H	165	163.5	

Type 8150/-0300-0200-150-...1.
Type 8150/-0300-0200-150-...2.*

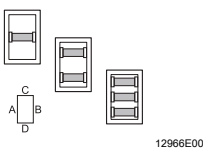
* with hinge or cam lock

Terminal Boxes

Series 8150

Version 200 x 300 (vertical)

Terminal box up to 35 mm²

	Max. number of terminals																							
	Wago																							
Nominal cross-section [mm²]	2.5				4				6				10											
Colour	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2	2	2	2
Mounting rail placement																								
	Number of mounting rails																							
		2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207	2006 - 1207	2006 - 1207
8150/-0200-0300-...-3.1	1	30	30	30	30	24	24	24	24	24	24	24	24	24	20	20	20	20	20	17	17	17	17	17
8150/-0200-0300-...-3.1	2	60	60	60	60	48	48	48	48	48	48	48	48	48	40	40	40	40	40	34	34	34	34	34
8150/-0200-0300-...-3.1	3	90	90	90	—	72	72	72	72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

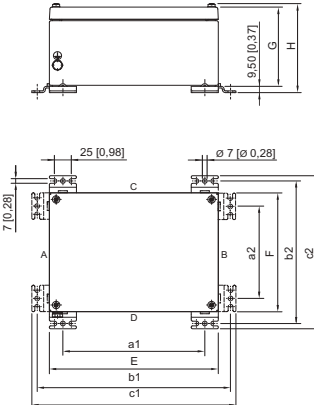
Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm
Terminal boxes equipped with terminals > 35 to 300 mm² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	D = 150 mm	W x H	without flange				Flange	
		200 x 300	A	B	C	D	A/B	C/D
		M16 x 1.5	54	54	33	33	17	9
		M20 x 1.5	34	34	20	20	10	6
		M25 x 1.5	21	21	12	12	7	4
		M32 x 1.5	16	16	7	7	5	2
		M40 x 1.5	8	8	5	5	3	1
		M50 x 1.5	5	5	3	3	2	1
		M63 x 1.5	3	3	2	2	2	-

Dimensional Drawings (all dimensions in mm) - Subject to alterations

 12648E00	Dimensions in mm		Depth	150 mm	150 mm*
	a1			160	160
	a2			260	260
	b1			236	236
	b2			336	336
	c1			252	252
	c2			352	352
	E			200	200
	F			300	300
	G			150	150
	H			165	163.5

Type 8150/-0200-0300-150-...1.
Type 8150/-0200-0300-150-...2.*

* with hinge or cam lock

Terminal Boxes

Series 8150

Version 360 x 176 (horizontal)

Terminal box up to 35 mm²

Nominal cross-section [mm ²]	Max. number of terminals																							
	Wago																							
Colour	2.5				4								6				10							
	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2	2	2	2
Mounting rail placement																								
 12965E00																								
8150/-0360-0176-...-3.1	1	64	64	64	64	52	52	52	52	52	52	52	52	43	43	43	43	43	36	36	36	36	36	36

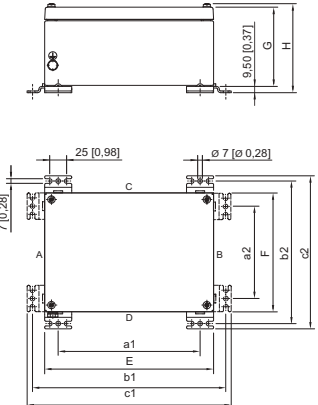
Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	91 mm; 150 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	W x H		without flange				Flange			W x H		without flange				Flange	
			A	B	C	D	A/B	C/D				A	B	C	D	A/B	C/D
D = 91 mm	360 x 176									360 x 176							
	M16 x 1.5		11	11	27	27	-	9		M16 x 1.5		28	28	67	67	9	28
	M20 x 1.5		8	8	20	20	-	6		M20 x 1.5		17	17	42	42	6	18
	M25 x 1.5		4	4	10	10	-	6		M25 x 1.5		10	10	26	26	4	13
	M32 x 1.5		3	3	7	7	-	-		M32 x 1.5		6	6	19	19	2	9
	M40 x 1.5		2	2	5	5	-	-		M40 x 1.5		4	4	10	10	1	5
	M50 x 1.5		-	-	-	-	-	-		M50 x 1.5		3	3	6	6	1	3
D = 150 mm	M63 x 1.5		-	-	-	-	-	-		M63 x 1.5		2	2	4	4	-	3

Dimensional Drawing (All Dimensions in mm) - Subject to Alterations

 12648E00	Dimensions in mm		Depth	
			91 mm	150 mm
	a1		320	320
	a2		136	136
	b1		396	396
	b2		212	212
	c1		412	412
	c2		228	228
	E		360	360
	F		176.5	176.5
	G		91	150
	H		106	165

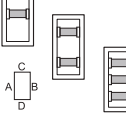
Type 8150/-0360-0176-091-...1. and 8150/-0360-0176-150-...1.

Terminal Boxes

Series 8150

Version 176 x 360 (vertical)

Terminal box up to 35 mm²

		Max. number of terminals																					
		Wago																					
Nominal cross-section [mm²]		2.5				4									6					10			
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2	
Mounting rail placement		 12964E00	Number of mounting rails																				
8150/-0176-0360-...-3.1	1		2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207
8150/-0176-0360-...-3.1	2		23	23	23	23	19	19	19	19	19	19	19	19	19	16	16	16	16	16	13	13	13
8150/-0176-0360-...-3.1	2		46	46	46	46	38	38	38	38	38	38	38	38	38	32	32	32	32	32	26	26	26
8150/-0176-0360-...-3.1	3		69	69	69	69	57	57	57	57	57	57	57	57	57	48	48	48	48	-	39	39	39

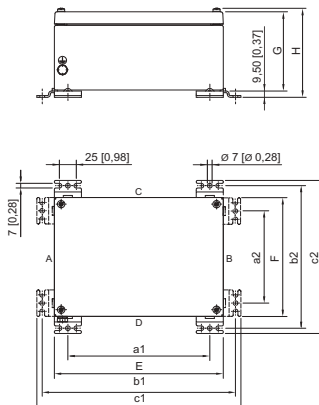
Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

	W x H	without flange				Flange	
	176 x 360	A	B	C	D	A/B	C/D
	M16 x 1.5	67	67	28	28	28	9
	M20 x 1.5	42	42	17	17	18	6
	M25 x 1.5	26	26	10	10	13	4
	M32 x 1.5	19	19	6	6	9	2
	M40 x 1.5	10	10	4	4	5	1
	M50 x 1.5	6	6	3	3	3	1
	M63 x 1.5	4	4	2	2	3	-

Dimensional Drawings (all dimensions in mm) - Subject to alterations

	Dimensions in mm	Depth	150 mm*	150 mm*
		150 mm		
a1		136		136
a2		320		320
b1		212		212
b2		396		396
c1		228		228
c2		412		412
E		176.5		176.5
F		360		360
G		150		150
H		165		163.5

Type 8150/-0176-0360-150-...1.
Type 8150/-0176-0360-150-...2.*

* with hinge or cam lock

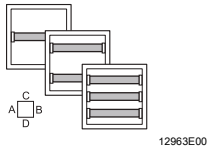
Terminal Boxes

Series 8150



Version 360 x 360

Terminal box up to 35 mm²

Nominal cross-section [mm ²]	Max. number of terminals																							
	Wago																							
	2.5				4								6				10							
Colour	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2			
Mounting rail placement																								
	Number of mounting rails																							
	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207			
8150/-0360-0360-...-3.1	1	64	64	64	64	52	52	52	52	52	52	52	52	43	43	43	43	43	36	36	36			
8150/-0360-0360-...-3.1	2	128	128	128	128	104	104	104	104	104	104	104	104	86	86	86	86	86	72	72	72			
8150/-0360-0360-...-3.1	3	192	192	192	192	156	156	-	-	-	-	156	156	129	129	129	129	-	108	108	108			

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	91 mm; 150 mm; 190 mm; 230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

05864E00

D = 91 mm

W x H	without flange				Flange	
	A	B	C	D	A/B	C/D
360 x 360						
M16 x 1.5	27	27	27	27	9	9
M20 x 1.5	20	20	20	20	6	6
M25 x 1.5	10	10	10	10	6	6
M32 x 1.5	7	7	7	7	-	-
M40 x 1.5	5	5	5	5	-	-
M50 x 1.5	-	-	-	-	-	-
M63 x 1.5	-	-	-	-	-	-

D = 150 mm

W x H	without flange				Flange	
	A	B	C	D	A/B	C/D
360 x 360						
M16 x 1.5	65	65	67	67	28	28
M20 x 1.5	42	42	42	42	18	18
M25 x 1.5	26	26	26	26	13	13
M32 x 1.5	18	18	19	19	9	9
M40 x 1.5	10	10	10	10	5	5
M50 x 1.5	6	6	6	6	3	3
M63 x 1.5	4	4	4	4	3	3

D = 190 mm

W x H	without flange				Flange	
	A	B	C	D	A/B	C/D
360 x 360						
M16 x 1.5	65	65	67	67	40	40
M20 x 1.5	42	42	42	42	28	28
M25 x 1.5	26	26	26	26	20	20
M32 x 1.5	18	18	19	19	12	12
M40 x 1.5	10	10	10	10	8	8
M50 x 1.5	6	6	6	6	6	6
M63 x 1.5	4	4	4	4	3	3

D = 230 mm

W x H	without flange				Flange	
	A	B	C	D	A/B	C/D
360 x 360						
M16 x 1.5	91	91	91	91	69	69
M20 x 1.5	59	59	59	59	44	44
M25 x 1.5	43	43	43	43	28	28
M32 x 1.5	27	27	27	27	20	20
M40 x 1.5	15	15	15	15	10	10
M50 x 1.5	9	9	9	9	8	8
M63 x 1.5	6	6	6	6	6	6

Terminal Boxes

Series 8150

Dimensional Drawings (all dimensions in mm) - Subject to alterations

Dimen- sions in mm	Depth						
	91 mm	150 mm	190 mm	230 mm	91 mm*	150 mm*	190 mm*
a1	320	320	320	320	320	320	320
a2	320	320	320	320	320	320	320
b1	396	396	396	396	396	396	396
b2	396	396	396	396	396	396	396
c1	412	412	412	412	412	412	412
c2	412	412	412	412	412	412	412
E	360	360	360	360	360	360	360
F	360	360	360	360	360	360	360
G	91	150	190	230	91	150	190
H	106	165	205	245	104.5	163.5	203.5

* with hinge or cam lock

12648E00

Type 8150/.-0360-0360-091-...1., 8150/.-0360-0360-150-...1., 8150/.-0360-0360-190-...1. and 8150/.-0360-0360-230-...1.
Type 8150/.-0360-0360-091-...2.*, 8150/.-0360-0360-150-...2.* and 8150/.-0360-0360-190-...2.*

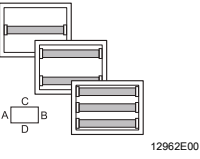
Terminal Boxes

Series 8150



Version 400 x 300 (horizontal)

Terminal box up to 35 mm²

Nominal cross-section [mm ²]	Max. number of terminals																	
	Wago																	
Colour	2.5				4								6				10	
	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4
Mounting rail placement																		
	Number of mounting rails																	
	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407
8150/-0400-0300-...-3.1	1	78	78	78	63	63	63	63	63	63	63	63	63	52	52	52	52	52
8150/-0400-0300-...-3.1	2	156	156	156	126	126	126	126	126	126	126	126	126	104	104	104	104	104
8150/-0400-0300-...-3.1	3	234	234	234	189	189	189	189	—	—	—	—	—	—	—	—	—	—

Note

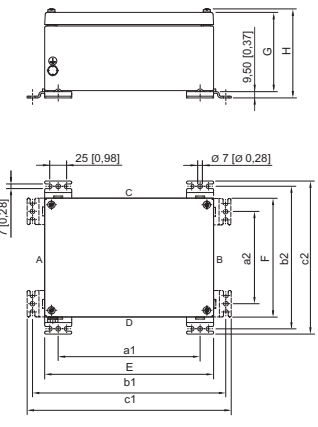
	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm; 230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

	W x H	without flange				Flange			W x H	without flange				Flange		
		A	B	C	D	A/B	C/D			A	B	C	D	A/B	C/D	
D = 150 mm	400 x 300								400 x 300							
	M16 x 1.5	54	54	74	74	17	28		M16 x 1.5	91	91	123	123	a	69	
	M20 x 1.5	34	34	48	48	10	18		M20 x 1.5	59	59	85	85		44	
	M25 x 1.5	21	21	30	30	7	13		M25 x 1.5	43	43	60	60		28	
	M32 x 1.5	15	15	22	22	5	9		M32 x 1.5	27	27	39	39		20	
	M40 x 1.5	8	8	11	11	3	5		M40 x 1.5	15	15	22	22		10	
	M50 x 1.5	5	5	7	7	2	3		M50 x 1.5	9	9	14	14		8	
D = 230 mm	M63 x 1.5	3	3	5	5	2	3		M63 x 1.5	6	6	9	9		6	

a = on request

Dimensional Drawings (all dimensions in mm) - Subject to alterations

	Dimensions in mm	Depth		
		150 mm	230 mm	230 mm*
a1		360	360	360
a2		260	260	260
b1		436	436	436
b2		336	336	336
c1		452	452	452
c2		352	352	352
E		400	400	400
F		300	300	300
G		150	230	230
H		165	245	243.5

12648E00

Type 8150/-0400-0300-150-..1. and 8150/-0400-0300-230-..1.
Type 8150/-0400-0300-230-..2.*

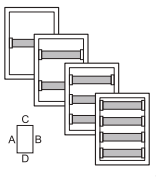
* with hinge or cam lock

Terminal Boxes

Series 8150

Version 300 x 400 (vertical)

Terminal box up to 35 mm²

		Max. number of terminals																							
		Wago																							
Nominal cross-section [mm ²]		2.5				4								6				10							
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2			
Mounting rail placement																									
		Number of mounting rails																							
			2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207		
8150/-0300-0400-...-3.1	1	54	54	54	54	43	43	43	43	43	43	43	43	43	43	36	36	36	36	36	30	30	30		
8150/-0300-0400-...-3.1	2	108	108	108	108	86	86	86	86	86	86	86	86	86	86	72	72	72	72	72	60	60	60		
8150/-0300-0400-...-3.1	3	162	162	162	162	129	129	129	129	129	129	129	129	129	129	108	108	108	108	108	90	90	90		
8150/-0300-0400-...-3.1	4	216	216	216	—	172	172	172	172	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm; 230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

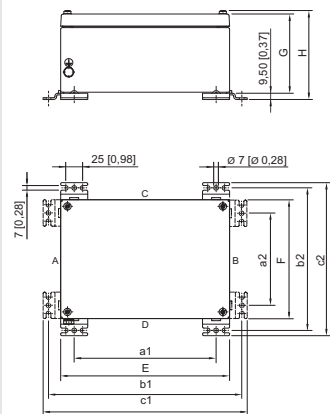
Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	D = 150 mm	W x H		without flange				Flange		W x H		without flange				Flange		D = 230 mm
		300 x 400		A	B	C	D	A/B	C/D	300 x 400		A	B	C	D	A/B	C/D	
		M16 x 1.5	74	74	54	54	28	17	M16 x 1.5	123	123	91	91	69	a			
		M20 x 1.5	48	48	34	34	18	10	M20 x 1.5	85	85	59	59	44				
		M25 x 1.5	30	30	21	21	13	7	M25 x 1.5	60	60	43	43	28				
		M32 x 1.5	22	22	15	15	9	5	M32 x 1.5	39	39	27	27	20				
		M40 x 1.5	11	11	8	8	5	3	M40 x 1.5	22	22	15	15	10				
		M50 x 1.5	7	7	5	5	3	2	M50 x 1.5	14	14	9	9	8				
		M63 x 1.5	5	5	3	3	3	2	M63 x 1.5	9	9	6	6	6				
a = on request																		

Terminal Boxes
Series 8150



Dimensional Drawings (all dimensions in mm) - Subject to alterations



Dimensions in mm	Depth			
	150 mm	230 mm	150 mm*	230 mm*
a1	260	260	260	260
a2	360	360	360	360
b1	336	336	336	336
b2	436	436	436	436
c1	352	352	352	352
c2	452	452	452	452
E	300	300	300	300
F	400	400	400	400
G	150	230	150	230
H	165	245	163.5	243.5

12648E00

Type 8150/.-0300-0400-150-..1. and 8150/.-0300-0400-230-..1.
Type 8150/.-0300-0400-150-..2. and 8150/.-0300-0400-230-..2.*

* with hinge or cam lock

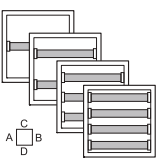
E4

Terminal Boxes

Series 8150

Version 400 x 400

Terminal box up to 35 mm²

		Max. number of terminals																					
		Wago																					
Nominal cross-section [mm²]		2.5				4								6				10					
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2	
Mounting rail placement																							
	Number of mounting rails																						
		2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207	
		1	78	78	78	78	63	63	63	63	63	63	63	63	63	52	52	52	52	52	43	43	43
		2	156	156	156	156	126	126	126	126	126	126	126	126	126	104	104	104	104	104	86	86	86
		3	234	234	234	234	189	189	189	189	189	189	189	189	189	156	156	156	156	156	129	129	129
	4	312	312	312	—	252	252	252	252	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm; 230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	W x H	without flange				Flange			W x H	without flange				Flange	
	400 x 400	A	B	C	D	A/B	C/D		400 x 400	A	B	C	D	A/B	C/D
D = 150 mm	M16 x 1.5	74	74	74	74	28	28	D = 230 mm	M16 x 1.5	123	123	123	123	69	69
	M20 x 1.5	48	48	48	48	18	18		M20 x 1.5	85	85	85	85	44	44
	M25 x 1.5	29	29	30	30	13	13		M25 x 1.5	59	59	60	60	28	28
	M32 x 1.5	21	21	22	22	9	9		M32 x 1.5	38	38	39	39	20	20
	M40 x 1.5	11	11	11	11	5	5		M40 x 1.5	22	22	22	22	10	10
	M50 x 1.5	7	7	7	7	3	3		M50 x 1.5	14	14	14	14	8	8
	M63 x 1.5	5	5	5	5	3	3		M63 x 1.5	9	9	9	9	6	6

Dimensional Drawings (all dimensions in mm) - Subject to alterations

 12648E00	Dimensions in mm	Depth	150 mm	230 mm	150 mm*	230 mm*
	a1	360	360	360	360	360
	a2	360	360	360	360	360
	b1	436	436	436	436	436
	b2	436	436	436	436	436
	c1	452	452	452	452	452
	c2	452	452	452	452	452
	E	400	400	400	400	400
	F	400	400	400	400	400
	G	150	230	150	230	230
	H	165	245	163.5	243.5	243.5

Type 8150/-0400-0400-150-...1. and 8150/-0400-0400-230-...1.
Type 8150/-0400-0400-150-...2. and 8150/-0400-0400-230-...2.*

* with hinge or cam lock

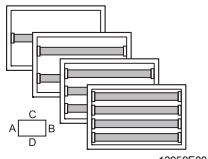
Terminal Boxes

Series 8150



Version 550 x 360 (horizontal)

Terminal box up to 35 mm²

Nominal cross-section [mm ²]	Max. number of terminals																	
	Wago																	
Colour	2.5				4								6				10	
	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4
Mounting rail placement																		
	Number of mounting rails																	
			2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207
			2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207											
			2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207
			2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207											
8150/-0550-0360-...-3.1	1	113	113	113	113	91	91	91	91	91	91	91	91	91	91	77	77	77
8150/-0550-0360-...-3.1	2	226	226	226	226	182	182	182	182	182	182	182	182	182	182	154	154	154
8150/-0550-0360-...-3.1	3	339	339	339	339	273	273	273	273	273	273	273	273	273	273	231	231	231
8150/-0550-0360-...-3.1	4	452	452	452	452	364	364	364	364	364	364	364	364	364	364	308	308	308

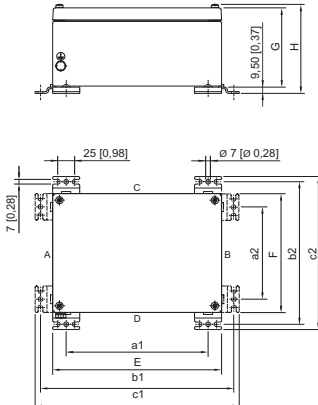
Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

	W x H	without flange				Flange	
	550 x 360	A	B	C	D	A/B	C/D
	M16 x 1.5	91	91	123	123	69	110
	M20 x 1.5	59	59	85	85	44	74
	M25 x 1.5	43	43	59	59	28	49
	M32 x 1.5	27	27	38	38	20	31
	M40 x 1.5	15	15	22	22	10	16
	M50 x 1.5	9	9	14	14	8	14
	M63 x 1.5	6	6	9	9	6	10
	D = 230 mm						

Dimensional Drawings (all dimensions in mm) - Subject to alterations

	Dimensions in mm	Depth 230 mm	230 mm*
	a1	320	320
	a2	510	510
	b1	396	396
	b2	586	586
	c1	412	412
	c2	602	602
	E	360	360
	F	550	550
	G	230	230
	H	245	243.5

Type 8150/-0550-0360-230-...1.
Type 8150/-0550-0360-230-...2.*

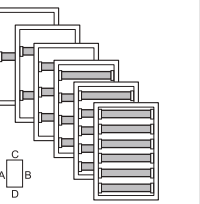
* with hinge or cam lock

Terminal Boxes

Series 8150

Version 360 x 550 (vertical)

Terminal box up to 35 mm²

		Max. number of terminals																				
		Wago																				
Nominal cross-section [mm²]		2.5				4								6						10		
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2
Mounting rail placement																						
	Number of mounting rails	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207
8150/-0360-0550-....3.1	1	64	64	64	64	52	52	52	52	52	52	52	52	52	43	43	43	43	43	36	36	36
8150/-0360-0550-....3.1	2	128	128	128	128	104	104	104	104	104	104	104	104	104	86	86	86	86	86	72	72	72
8150/-0360-0550-....3.1	3	192	192	192	192	156	156	156	156	156	156	156	156	156	129	129	129	129	129	108	108	108
8150/-0360-0550-....3.1	4	256	256	256	256	208	208	208	208	208	208	208	208	208	172	172	172	172	172	144	144	144
8150/-0360-0550-....3.1	5	320	320	320	320	260	260	260	260	–	–	260	260	260	215	215	215	–	–	–	–	–
8150/-0360-0550-....3.1	6	384	384	384	–	312	312	312	312	–	–	–	–	–	–	–	–	–	–	–	–	–

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	D = 230 mm	W x H	without flange				Flange	
		360 x 550	A	B	C	D	A/B	C/D
		M16 x 1.5	123	123	91	91	110	69
		M20 x 1.5	85	85	59	59	74	44
		M25 x 1.5	59	59	43	43	49	28
		M32 x 1.5	38	38	27	27	31	20
		M40 x 1.5	22	22	15	15	16	10
		M50 x 1.5	14	14	9	9	14	8
		M63 x 1.5	9	9	6	6	10	6

Terminal Boxes
Series 8150



Dimensional Drawings (all dimensions in mm) - Subject to alterations

Technical drawing of a terminal box showing front and side views. The front view includes dimensions A, B, C, D, E, F, G, H, a1, a2, b1, b2, c1, and c2. The side view shows dimensions 7 [0,28], 25 [0,98], and 9.50 [0,37].

Dimensions in mm	Depth
	230 mm
a1	320
a2	510
b1	396
b2	586
c1	412
c2	602
E	360
F	550
G	230
H	243.5

Type 8150/-0360-0550-230-..2.*

12648E00

* with hinge or cam lock

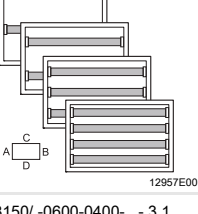
E4

Terminal Boxes

Series 8150

Version 600 x 400 (horizontal)

Terminal box up to 35 mm²

		Max. number of terminals																					
		Wago																					
Nominal cross-section [mm²]		2.5				4									6					10			
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2	
Mounting rail placement		 Number of mounting rails																					
			2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207
8150/-0600-0400-...-3.1			1	125	125	125	125	101	101	101	101	101	101	101	101	85	85	85	85	85	70	70	70
8150/-0600-0400-...-3.1			2	250	250	250	250	202	202	202	202	202	202	202	202	170	170	170	170	170	140	140	140
8150/-0600-0400-...-3.1			3	375	375	375	375	303	303	303	303	303	303	303	303	255	255	255	255	255	210	210	210
8150/-0600-0400-...-3.1			4	500	500	500	500	404	404	404	404	-	-	-	-	-	-	-	-	-	-	-	-

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm; 230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

	W x H	without flange				Flange			W x H	without flange				Flange		
		600 x 400	A	B	C	D	A/B	C/D		600 x 400	A	B	C	D	A/B	C/D
		M16 x 1,5	74	74	117	117	28	47		M16 x 1,5	123	123	190	190	69	110
		M20 x 1,5	48	48	74	74	18	31		M20 x 1,5	85	85	131	131	44	74
		M25 x 1,5	29	29	46	46	13	21		M25 x 1,5	59	59	94	94	28	49
		M32 x 1,5	21	21	33	33	9	15		M32 x 1,5	38	38	63	63	20	31
		M40 x 1,5	11	11	18	18	5	8		M40 x 1,5	22	22	36	36	10	16
		M50 x 1,5	7	7	11	11	3	5		M50 x 1,5	14	14	22	22	8	14
		M63 x 1,5	5	5	7	7	3	5		M63 x 1,5	9	9	14	14	6	10

Terminal Boxes

Series 8150



Dimensional Drawings (all dimensions in mm) - Subject to alterations

Dimensions in mm	Depth		
	150 mm	230 mm	230 mm*
a1	560	560	560
a2	360	360	360
b1	636	636	636
b2	436	436	436
c1	652	652	652
c2	452	452	452
E	600	600	600
F	400	400	400
G	150	230	230
H	165	245	243.5

12648E00

Type 8150/..0600-0400-150-..1. and 8150/..0600-0400-230-..1.
Type 8150/..0600-0400-230-..2.*

* with hinge or cam lock

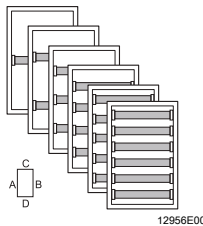
E4

Terminal Boxes

Series 8150

Version 400 x 600 (vertical)

Terminal box up to 35 mm²

		Max. number of terminals																							
		Wago																							
Nominal cross-section [mm²]	2.5				4										6						10				
Colour	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE				
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2				
Mounting rail placement																									
	Number of mounting rails	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207			
		8150/-0400-0600-...-3.1	1	78	78	78	78	63	63	63	63	63	63	63	63	52	52	52	52	52	43	43	43		
		8150/-0400-0600-...-3.1	2	156	156	156	156	126	126	126	126	126	126	126	126	104	104	104	104	104	86	86	86		
		8150/-0400-0600-...-3.1	3	234	234	234	234	189	189	189	189	189	189	189	189	156	156	156	156	156	129	129	129		
		8150/-0400-0600-...-3.1	4	312	312	312	312	252	252	252	252	252	252	252	252	208	208	208	208	208	172	172	172		
		8150/-0400-0600-...-3.1	5	390	390	390	390	315	315	315	315	—	—	315	315	315	260	260	260	260	—	215	215	215	
		8150/-0400-0600-...-3.1	6	468	468	468	—	378	378	378	378	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm; 230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

	D = 150 mm	W x H	without flange				Flange		D = 230 mm	W x H	without flange				Flange	
		400 x 600	A	B	C	D	A/B	C/D		400 x 600	A	B	C	D	A/B	C/D
		M16 x 1.5	117	117	74	74	47	28		M16 x 1.5	190	190	123	123	110	69
		M20 x 1.5	74	74	48	48	31	18		M20 x 1.5	131	131	85	85	74	44
		M25 x 1.5	46	46	29	29	21	13		M25 x 1.5	94	94	59	59	49	28
		M32 x 1.5	33	33	21	21	15	9		M32 x 1.5	63	63	38	38	31	20
		M40 x 1.5	18	18	11	11	8	5		M40 x 1.5	36	36	22	22	16	10
		M50 x 1.5	11	11	7	7	5	3		M50 x 1.5	22	22	14	14	14	8
		M63 x 1.5	7	7	5	5	5	3		M63 x 1.5	14	14	9	9	10	6

Terminal Boxes
Series 8150



Dimensional Drawings (all dimensions in mm) - Subject to alterations

12648E00

Dimensions in mm	Depth			
	150 mm	230 mm	150 mm*	230 mm*
a1	360	360	360	360
a2	560	560	560	560
b1	436	436	436	436
b2	636	636	636	636
c1	452	452	452	452
c2	652	652	652	652
E	400	400	400	400
F	600	600	600	600
G	150	230	150	230
H	165	245	163.5	243.5

Type 8150/.-0400-0600-150-...1. and 8150/.-0400-0600-230-...1.
Type 8150/.-0400-0600-150-...2. and 8150/.-0400-0600-230-...2.*

* with hinge or cam lock

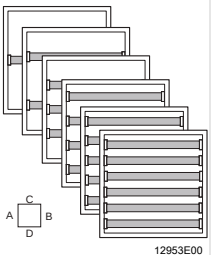
E4

Terminal Boxes

Series 8150

Version 600 x 600

Terminal box up to 35 mm²

		Max. number of terminals																							
		Wago																							
Nominal cross-section [mm²]	2.5				4										6					10					
Colour	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE				
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2				
Mounting rail placement																									
 Number of mounting rails	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207				
	8150/-0600-0600-....-3.1	1	125	125	125	125	101	101	101	101	101	101	101	101	85	85	85	85	85	70	70	70			
	8150/-0600-0600-....-3.1	2	250	250	250	250	202	202	202	202	202	202	202	202	170	170	170	170	170	140	140	140			
	8150/-0600-0600-....-3.1	3	375	375	375	375	303	303	303	303	303	303	303	303	255	255	255	255	255	210	210	210			
	8150/-0600-0600-....-3.1	4	500	500	500	500	404	404	404	404	404	404	404	404	340	340	340	340	340	280	280	280			
	8150/-0600-0600-....-3.1	5	625	625	625	625	505	505	505	505	—	—	505	505	505	425	425	425	425	425	350	350	350		
	8150/-0600-0600-....-3.1	6	750	750	750	—	606	606	606	606	—	—	—	—	—	—	—	—	—	—	—	—	—		

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm; 230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

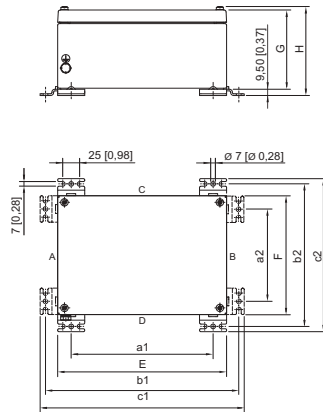
 05864E00	D = 150 mm	W x H	without flange				Flange		D = 230 mm	W x H	without flange				Flange	
		600 x 600	A	B	C	D	A/B	C/D		600 x 600	A	B	C	D	A/B	C/D
		M16 x 1.5	116	116	117	117	a	a		M16 x 1.5	187	187	190	190	a	a
		M20 x 1.5	73	73	74	74				M20 x 1.5	130	130	131	131		
		M25 x 1.5	45	45	46	46				M25 x 1.5	91	91	94	94		
		M32 x 1.5	33	33	33	33				M32 x 1.5	63	63	63	63		
		M40 x 1.5	18	18	18	18				M40 x 1.5	34	34	36	36		
		M50 x 1.5	11	11	11	11				M50 x 1.5	22	22	22	22		
		M63 x 1.5	7	7	7	7				M63 x 1.5	14	14	14	14		

Terminal Boxes

Series 8150



Dimensional Drawings (all dimensions in mm) - Subject to alterations



Dimensions in mm	Depth			
	150 mm	230 mm	150 mm*	230 mm*
a1	560	560	560	560
a2	560	560	560	560
b1	636	636	636	636
b2	636	636	636	636
c1	652	652	652	652
c2	652	652	652	652
E	600	600	600	600
F	600	600	600	600
G	150	230	150	230
H	165	245	163.5	243.5

12648E00

Type 8150/-.0600-0600-150-..1. and 8150/-.0600-0600-230-..1.
Type 8150/-.0600-0600-150-..2. and 8150/-.0600-0600-230-..2.*

* with hinge or cam lock

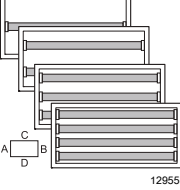
E4

Terminal Boxes

Series 8150

Version 727 x 360 (horizontal)

Terminal box up to 35 mm²

		Max. number of terminals																				
		Wago																				
Nominal cross-section [mm²]		2.5				4								6					10			
Colour		GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE
Number of conductors per terminal		2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2
Mounting rail placement																						
	Number of mounting rails	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207
8150/-0727-0360-...-3.1	1	113	113	113	113	91	91	91	91	91	91	91	91	91	77	77	77	77	77	63	63	63
8150/-0727-0360-...-3.1	2	226	226	226	226	182	182	182	182	182	182	182	182	182	154	154	154	154	154	126	126	126
8150/-0727-0360-...-3.1	3	339	339	339	339	273	273	273	273	273	273	273	273	273	231	231	231	231	—	189	189	189
8150/-0727-0360-...-3.1	4	452	452	452	—	364	364	364	364	—	—	—	—	—	—	—	—	—	—	—	—	—

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	91 mm; 150 mm; 190 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161



05864E00

D = 91 mm

W x H	without flange				Flange
727 x 360	A	B	C	D	
M16 x 1.5	27	27	48	48	a
M20 x 1.5	20	20	36	36	
M25 x 1.5	10	10	30	30	
M32 x 1.5	7	7	14	14	
M40 x 1.5	5	5	12	12	
M50 x 1.5	-	-	8	8	
M63 x 1.5	-	-	-	-	

D = 150 mm

D = 190 mm

W x H	without flange				Flange
727 x 360	A	B	C	D	
M16 x 1.5	68	68	140	140	a
M20 x 1.5	51	51	100	100	
M25 x 1.5	34	34	70	70	
M32 x 1.5	19	19	32	32	
M40 x 1.5	15	15	22	22	
M50 x 1.5	9	9	20	20	
M63 x 1.5	6	6	15	15	

a = on request

a = on request

Terminal Boxes

Series 8150



Dimensional Drawings (all dimensions in mm) - Subject to alterations

Dimensions in mm	Depth 91 mm	150 mm	190 mm
a1	687	687	687
a2	320	320	320
b1	763	763	763
b2	398	398	398
c1	779	779	779
c2	412	412	412
E	727	727	727
F	360	360	360
G	91	150	190
H	106	165	205

12648E00

Type 8150/..0727-0360-091-..1.
 Type 8150/..0727-0360-150-..1.
 Type 8150/..0727-0360-190-..1.

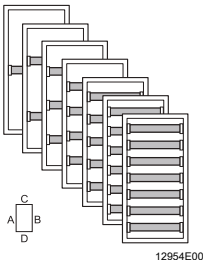
E4

Terminal Boxes

Series 8150

Version 360 x 727 (vertical)

Terminal box up to 35 mm²

	Max. number of terminals																							
	Wago																							
Nominal cross-section [mm ²]	2.5				4								6								10			
Colour	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2	2	2	2
Mounting rail placement																								
 Number of mounting rails	2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207			
	8150/-0360-0727-....-3.1	1	64	64	64	64	52	52	52	52	52	52	52	43	43	43	43	43	36	36	36			
	8150/-0360-0727-....-3.1	2	128	128	128	128	104	104	104	104	104	104	104	86	86	86	86	86	72	72	72			
	8150/-0360-0727-....-3.1	3	192	192	192	192	156	156	156	156	156	156	156	129	129	129	129	129	108	108	108			
	8150/-0360-0727-....-3.1	4	256	256	256	256	208	208	208	208	208	208	208	172	172	172	172	172	144	144	144			
	8150/-0360-0727-....-3.1	5	320	320	320	320	260	260	260	260	260	260	260	215	215	215	215	215	180	180	180			
	8150/-0360-0727-....-3.1	6	384	384	384	384	312	312	312	312	312	312	312	258	258	258	258	—	216	216	216			
	8150/-0360-0727-....-3.1	7	448	448	448	448	364	364	364	—	—	—	—	301	301	301	—	—	—	—	—			

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	150 mm; 190 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	D = 150 mm	W x H	without flange				Flange		W x H	without flange				Flange	
		360 x 727	A	B	C	D	A/B	C/D	360 x 727	A	B	C	D	A/B	C/D
		M16 x 1.5	117	117	65	65	47	28	M16 x 1.5	a	a	67	67	a	40
		M20 x 1.5	74	74	42	42	31	18	M20 x 1.5			42	42		28
		M25 x 1.5	46	46	26	26	21	13	M25 x 1.5			26	26		20
		M32 x 1.5	33	33	18	18	15	9	M32 x 1.5			19	19		12
		M40 x 1.5	18	18	10	10	8	5	M40 x 1.5			10	10		8
		M50 x 1.5	11	11	6	6	5	3	M50 x 1.5			6	6		6
		M63 x 1.5	7	7	4	4	5	3	M63 x 1.5			4	4		3
		a = on request													

 05864E00	D = 190 mm	W x H	without flange				Flange		W x H	without flange				Flange	
		360 x 727	A	B	C	D	A/B	C/D	360 x 727	A	B	C	D	A/B	C/D
		M16 x 1.5	a	a	67	67	a	40							
		M20 x 1.5			42	42		28							
		M25 x 1.5			26	26		20							
		M32 x 1.5			19	19		12							
		M40 x 1.5			10	10		8							
		M50 x 1.5			6	6		6							
		M63 x 1.5			4	4		3							
		a = on request													

Terminal Boxes

Series 8150



Dimensional Drawings (all dimensions in mm) - Subject to alterations

Dimensions in mm	Depth 150 mm*	190 mm*
a1	320	320
a2	687	687
b1	398	398
b2	763	763
c1	412	412
c2	779	779
E	360	360
F	727	727
G	150	190
H	163.5	203.5

12648E00

Type 8150/.-0360-0727-150-...2. and 8150/.-0360-0727-190-...2.*

* with hinge or cam lock

E4

Terminal Boxes

Series 8150

Version 787 x 480 (horizontal)

Terminal box up to 35 mm²

[illegible]

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

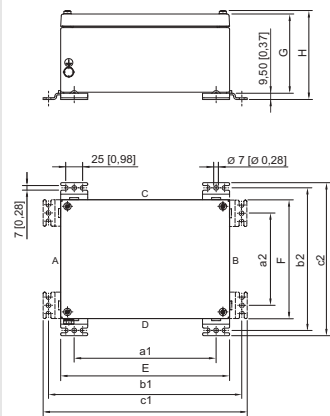
Table showing the max. number of possible entries of the enclosure using cable glands series 8161

 05864E00	D = 230 mm	W x H	without flange				Flange	
		787 x 480	A	B	C	D	A/B	C/D
		M16 x 1.5	109	109	160	160	a	a
		M20 x 1.5	82	82	118	118		
		M25 x 1.5	59	59	93	93		
		M32 x 1.5	36	36	62	62		
		M40 x 1.5	27	27	36	36		
		M50 x 1.5	18	18	33	33		
		M63 x 1.5	10	10	18	18		
a = on request								

Terminal Boxes
Series 8150



Dimensional Drawings (all dimensions in mm) - Subject to alterations



Dimensions in mm	Depth	
	230 mm	230 mm*
a1	747	747
a2	440	440
b1	823	823
b2	516	516
c1	839	839
c2	532	532
E	787	787
F	480	480
G	230	230
H	245	243.5

Type 8150/..0787-0480-230-..1.
Type 8150/..0787-0480-230-..2.*

12648E00

* with hinge or cam lock

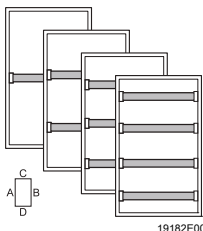
E4

Terminal Boxes

Series 8150

Version 480 x 787 (vertical)

Terminal box up to 35 mm²

		Max. number of terminals																				
		Wago																				
Nominal cross-section [mm²]	2.5				4									6						10		
Colour	GY	BU	PE	PE	GY	OG	BU	PE	GY	PE	GY	BU	PE	GY	BU	PE	GY	PE	GY	BU	PE	
Number of conductors per terminal	2	2	2	3	2	2	2	2	4	4	3	3	3	2	2	2	3	4	2	2	2	
Mounting rail placement																						
		Number of mounting rails																				
		2001 - 1201	2001 - 1204	2001 - 1207	2001 - 1307	2002 - 1201	2002 - 1202	2002 - 1204	2002 - 1207	2002 - 1401	2002 - 1407	2002 - 1301	2002 - 1304	2002 - 1307	2004 - 1201	2004 - 1204	2004 - 1207	2004 - 1301	2004 - 1407	2006 - 1201	2006 - 1204	2006 - 1207
8150/-0480-0787-....3.1	1	170	170	170	170	137	137	137	137	137	137	137	137	137	115	115	115	115	115	95	95	95
8150/-0480-0787-....3.1	2	340	340	340	340	274	274	274	274	274	274	274	274	274	230	230	230	230	230	190	190	190
8150/-0480-0787-....3.1	3	510	510	510	510	411	411	411	411	411	411	411	411	411	345	345	345	345	345	285	285	285
8150/-0480-0787-....3.1	4	680	680	680	680	548	548	548	548	—	—	548	548	548	460	460	460	460	—	380	380	380
8150/-0480-0787-....3.1	5	850	850	850	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Note

	Order numbers for enclosures with mounting rails and PE or PA rails
Plain text information	Terminal block: Number and type
Cable entry	Number, type and installation side in enclosure
Flanges	can be installed acc. to order; please indicate the enclosure side on which they are to be equipped
Terminals	Phoenix; Weidmüller available on request
Available enclosure depths	230 mm
Terminal boxes equipped with terminals > 35 to 300 mm ² on request	

Table showing the max. number of possible entries of the enclosure using cable glands series 8161



05864E00

D = 230 mm

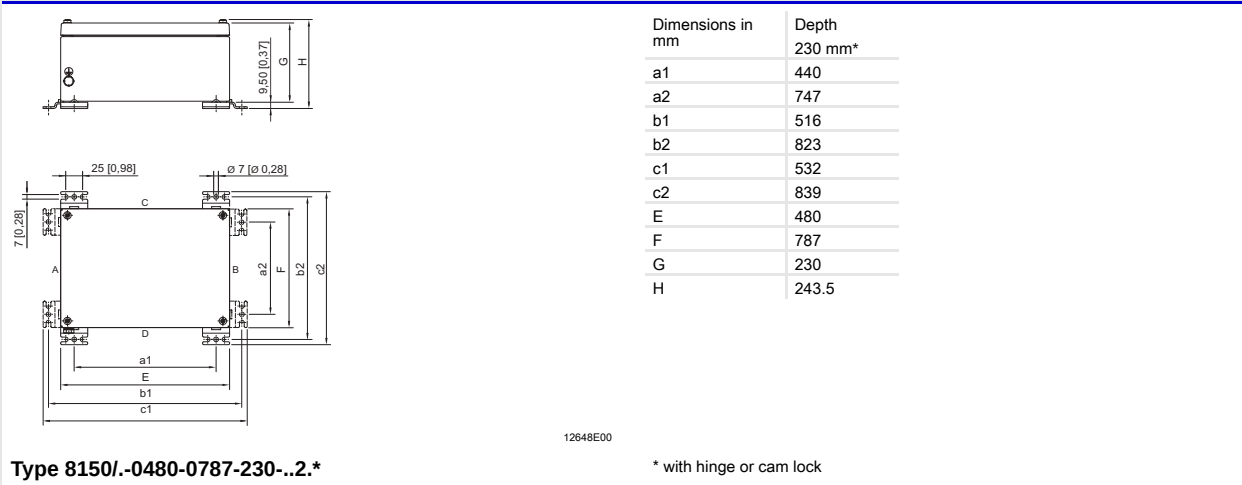
W x H	without flange				Flange	
480 x 787	A	B	C	D	A/B	C/D
M16 x 1.5	160	160	109	109	a	a
M20 x 1.5	118	118	82	82		
M25 x 1.5	93	93	59	59		
M32 x 1.5	62	62	36	36		
M40 x 1.5	36	36	27	27		
M50 x 1.5	33	33	18	18		
M63 x 1.5	18	18	10	10		

a = on request

Terminal Boxes
Series 8150



Dimensional Drawings (all dimensions in mm) - Subject to alterations



E4

Terminal Boxes

Series 8150

Explosion Protection

Version	8150/1	8150/2
Global (IECEX)		
Gas and dust	IECEX PTB 09.0048 Ex db eb [ia Ga] ib mb op pr IIC, IIB, IIA T6 (Ta = -60 ... +40 °C) Ex db eb [ia Ga] ib mb op pr IIC, IIB, IIA T5 (Ta = -60 ... +55 °C) Ex db eb [ia Ga] ib mb op pr IIC, IIB, IIA T4 (Ta = -60 ... +70 °C) Ex tb IIIC IP66 T130°C (Ta = -60 ... +70 °C) Ex tb IIIC IP66 T95°C (Ta = -60 ... +55 °C) Ex tb IIIC IP66 T80°C (Ta = -60 ... +40 °C)	IECEX PTB 09.0048 Ex ia/ib IIA, IIB, IIC T6 (Ta = -60 ... +75 °C) Ex tb IIIC IP66 T80°C (Ta = -60 ... +75 °C)
Europe (ATEX)		
Gas and dust	PTB 09 ATEX 1108 Ex II 2 G Ex db eb [ia Ga] ib mb op pr IIC, IIB, IIA T6 (Ta = -60 ... +40 °C) Ex II 2 G Ex db eb [ia Ga] ib mb op pr IIC, IIB, IIA T5 (Ta = -60 ... +55 °C) Ex II 2 G Ex db eb [ia Ga] ib mb op pr IIC, IIB, IIA T4 (Ta = -60 ... +70 °C) Ex II 2 D Ex tb IIIC IP66 T130°C (Ta = -60 ... +70 °C) Ex II 2 D Ex tb IIIC IP66 T95°C (Ta = -60 ... +55 °C) Ex II 2 D Ex tb IIIC IP66 T80°C (Ta = -60 ... +40 °C)	PTB 09 ATEX 1108
Certifications and certificates		
Certificates	IECEX, ATEX, Brazil (INMETRO), India (PESO), Russia (TR), Belarus (TR)	
Types of protection	depending on the actual fitted components used and their type of protection	
Technical Data		
Electrical data		
Rated operational voltage	max. 1100 V depending on terminal types and explosion protected components used	
Rated operational current	max. 630 A depending on terminal types and explosion protected components used	
Ambient conditions		
Ambient temperature	see explosion protection data depending on terminal types and explosion protected components used	
Mechanical data		
Degree of protection	IP66 acc. to EN IEC 60529	
Material		
Enclosure	stainless steel V1.4301 (AISI 304) respectively 1.4404 (AISI 316L) brush finished	
Seal	Silicone, foamed	
Mounting plate	sheet steel, galvanized	
Cover lock	- with captive M6 stainless steel combo head screws or - with hinges / cam locks Double-bit key no. 5 for cam lock included in delivery	
Flange		
Standard version	without flange	
Special version	with flange	
Wall thickness		
Enclosure cover	min. 2 mm	
Mounting plate	3 mm	
Cover screws tightening torque	4.5 Nm	

Terminal Boxes

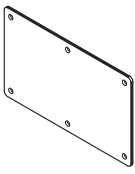
Series 8150



Technical Data

Protective conductor connection	M8 blind rivet nut (1x): at the outside of the enclosure M8 rivet nut (1x): on mounting plate M6 bolt (1x): additionally on enclosures with cover hinges
Rated cross-section	max. 300 mm ² depending on terminal types and explosion protected components used
Note please refer to the manufacturer's terminal data, e.g. the tightening torque	

Accessories and Spare Parts

Designation	Illustration	Order number	Depth	Material thickness [mm]	Material			
					Side C/D		Side A/B	
					1.4301	1.4404	1.4301	1.4404
Flanges	 13019E00	8150/.-0176-0116-...-3.1	91	-	-	-	-	-
		8150/.-0176-0176-...-3.1	91	-	a	a	a	a
		8150/.-0236-0176-...-3.1	91	3	202965	202966	a	a
				5	202967	202968	a	a
		8150/.-0360-0176-...-3.1	91	3	202961	202962	a	a
				5	202963	202964	a	a
			150	3	202892	202893	202885	202886
				5	202894	202895	202887	202888
		8150/.-0360-0360-...-3.1	91	3	202961	202962	202961	202962
				5	202963	202964	202963	202964
			150	3	202892	202893	202892	202893
				5	202894	202895	202894	202895
			190	3	a	a	a	a
				5	a	a	a	a
		8150/.-0400-0300-...-3.1	150	3	202892	202893	a	a
				5	202894	202895	a	a
			230	3	202896	202897	a	a
				5	202898	202899	a	a
		8150/.-0400-0400-...-3.1	150	3	202892	202893	202892	202893
				5	202894	202895	202894	202895
			230	3	202896	202897	202896	202897
				5	202898	202899	202898	202899
		8150/.-0550-0360-...-3.1	230	3	202900	202901	202896	202897
				5	202902	202903	202898	202899
		8150/.-0600-0400-...-3.1	230	3	202900	202901	202896	202897
				5	202902	202903	202898	202899
		8150/.-0727-0360-...-3.1	150	3	a	a	202892	202893
				5	a	a	202894	202895
		8150/.-0600-0600-...-3.1	150	3	202904	202905	202904	202905
				5	202906	202907	202906	202907
			230	3	202900	202901	202900	202901
				5	202902	202903	202902	202903
		8150/.-0787-0480-...-3.1	230	3	202953	202954	202896	202897
				5	202955	202956	202898	202899
a = on request								

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.



- Cost savings thanks to low weight and small installation area
- Easily adapted should there be any changes to an order
- More installation space thanks to a big installation volume
- More compact and more flexible machine and system design
- More control functions available
- Shorter planning and project turnaround times
- Low operating and maintenance costs
- Higher system availability and increased productivity

E3

MY R. STAHL 8280A



The new EXpressure technology safely dissipates explosion pressure in cabinets, control stations and other enclosures via flow channels. As a result, the lightweight and compact EXpressure enclosure, manufactured in accordance with industrial cabinet dimensions with a control panel made from industrial components, can be positioned as close as possible to the process for Zones 1 and 2.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•			

Selection Table					
Material Cover mounting		Stainless steel Screws			
Inner dimensions (WxHxD)	Hinge	volume	Product Type	Art. No.	Weight
300 x 400 x 200 mm	without	24 dm³	8280/-20-2.11-1	264241	37 kg
400 x 600 x 300 mm	with	72 dm³	8280/-31-2.11-1	263860	79 kg
600 x 800 x 400 mm	with	192 dm³	8280/-41-2.11-1	263859	153 kg
1000 x 1400 x 700 mm	with	980 dm³	8280/-62-2.11-2	264577	551 kg
1000 x 1400 x 700 mm	with	980 dm³	8280/-62-2.21-2	267378	590 kg

Ex d cabinet with base plate, without built-in components

Technical Data	
Explosion Protection	
IECEX gas explosion protection	8280/0: Ex db sb IIB Gb 8280/5: Ex db eb ia [ia Ga] ib [ib Gb] mb op pr [op is] sb IIB T5...T3 Gb
ATEX gas explosion protection	8280/0: II 2 G Ex db sb IIB Gb 8280/5: II 2 G Ex db eb ia [ia Ga] ib [ib Gb] mb op pr [op is] IIB T5...T3 Gb
Certificates	ATEX (BVS), ATEX (PTB), IECEx (BVS), IECEx (PTB)
Notes	Product label may vary. Series devices are labelled with ATEX and IECEx.
Electrical Data	
Rated operational voltage AC	11 kV
Rated operational current	1250 A (T3)
Ambient Conditions	
Ambient temperature Ta	-40 °C ≤ Ta ≤ +60 °C

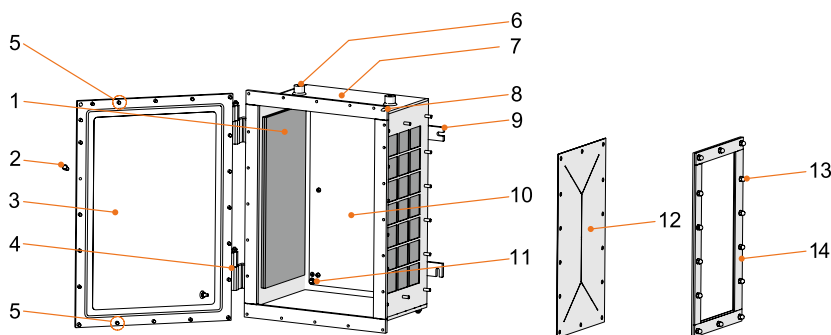
Technical Data

Mechanical Data

Degree of protection (IP)	IP66
Cover seal	Silicone
Connection cross-section max.	300 mm²
Protective conductor connection size	M6
Protective conductor connection labelling	Internal/external on enclosure

Wall mounting:	only using mounting brackets
Stand variant:	only for enclosures size 62 (only possible without connection chamber)

Technical Drawings – Subject to Alterations



- 1 = grid 2 = cover screw 3 = enclosure cover
 4 = hinge 5 = mounting point for retaining lugs
 6 = mounting point for transport lug 7 = enclosure
 8 = positioning pin 9 = anchoring bracket
 10 = base plate
 11 = inner earth connection of base plate
 12 = rupture disc 13 = cap nut 14 = frame

Accessories

Figure	Description	Art. No.	Weight
Retaining/transport lugs (contains two pieces)			
	M10, stainless steel, thread length = 8 mm, for cover SZ 20, 31, 41 Packaging unit: Two pieces	268425	-
	M12, stainless steel, thread length = 20.5 mm, for enclosure SZ 31, 41 Packaging unit: Two pieces	268670	-
	M14, stainless steel, thread length = 10 mm, for cover SZ 62 Packaging unit: Two pieces	268427	480 g
	M20, stainless steel, thread length = 30 mm, for enclosure SZ 62 Packaging unit: Two pieces	268669	1.8 kg

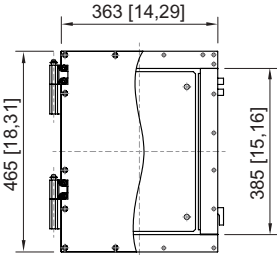
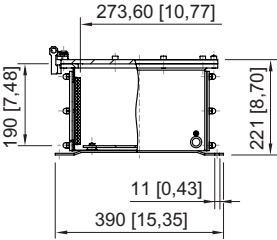
EXpressure Ex d cabinet/empty enclosure

Series 8280 Flameproof enclosure, made from stainless steel

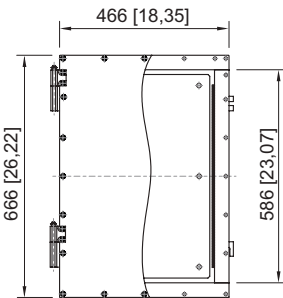
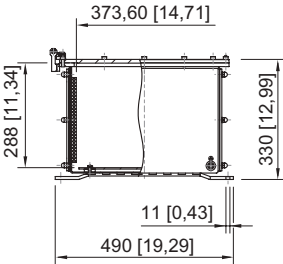
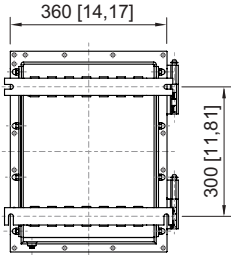


Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

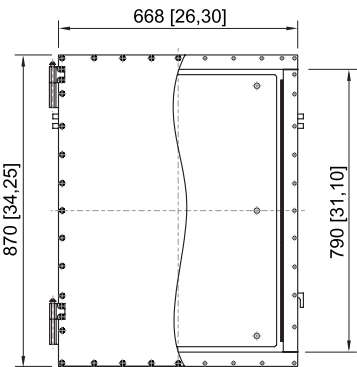
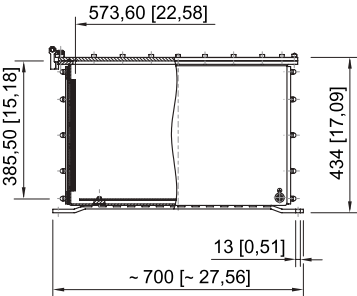
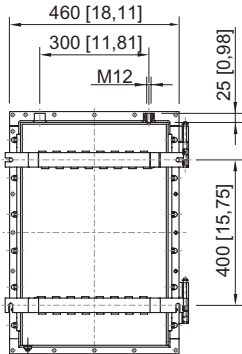
E3



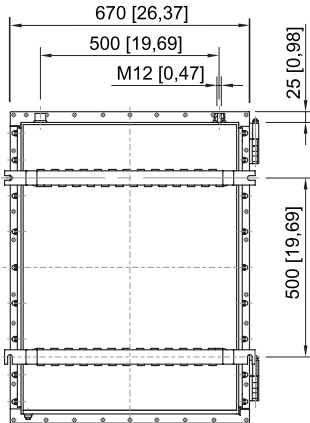
Enclosure size 20



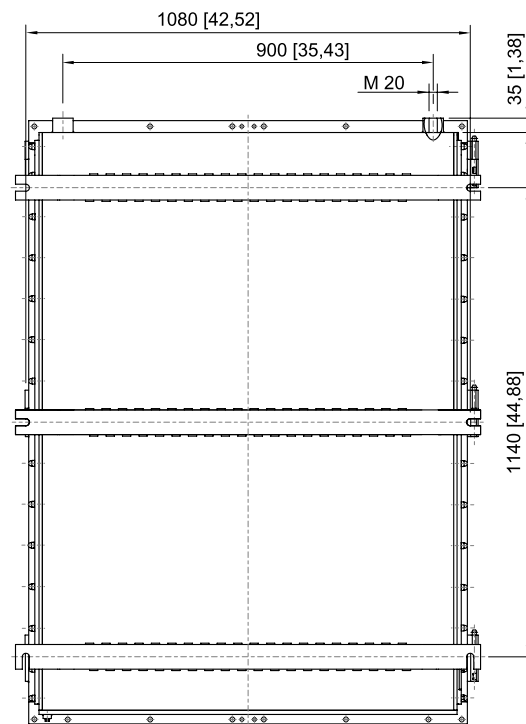
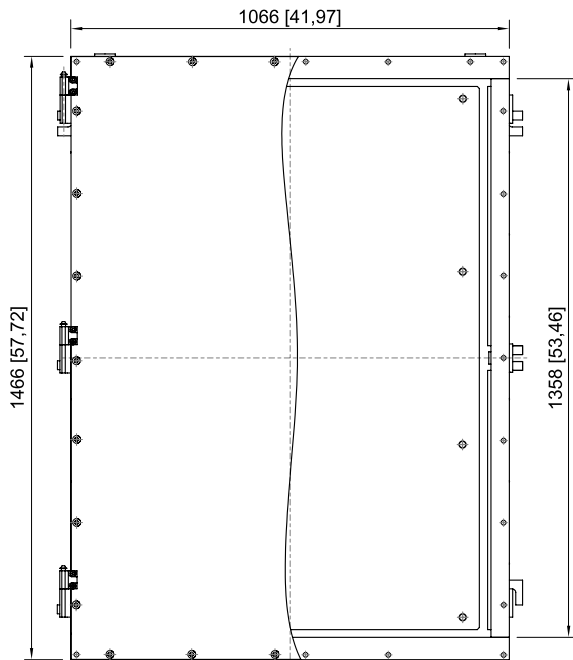
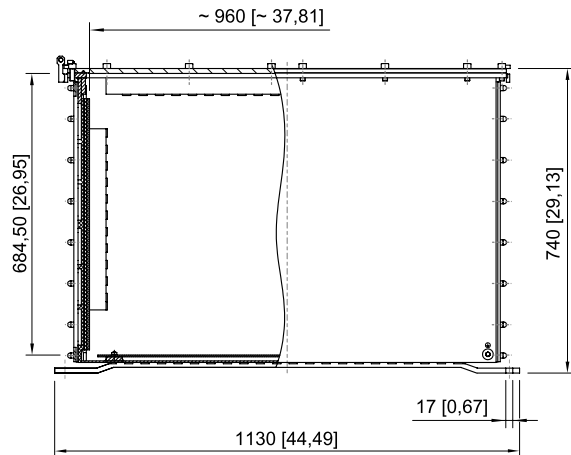
Enclosure size 31



Enclosure size 41



E3

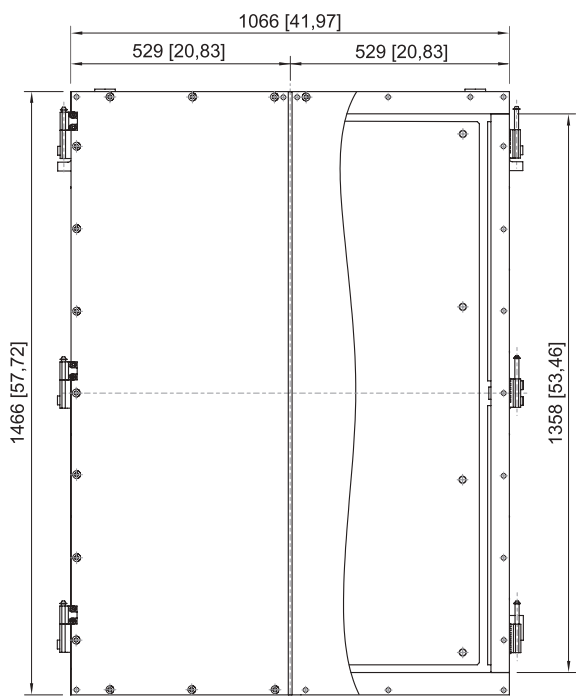
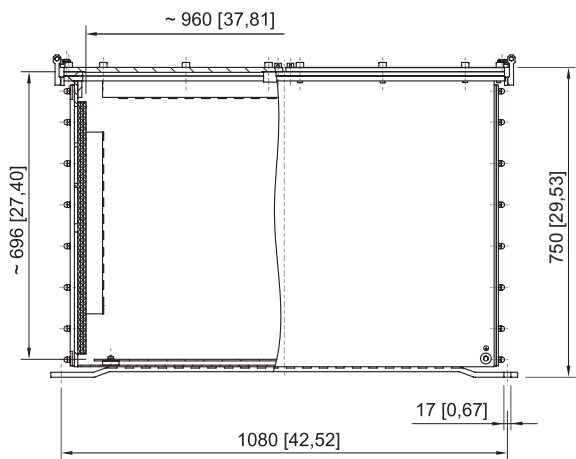


Enclosure size 62
with one cover

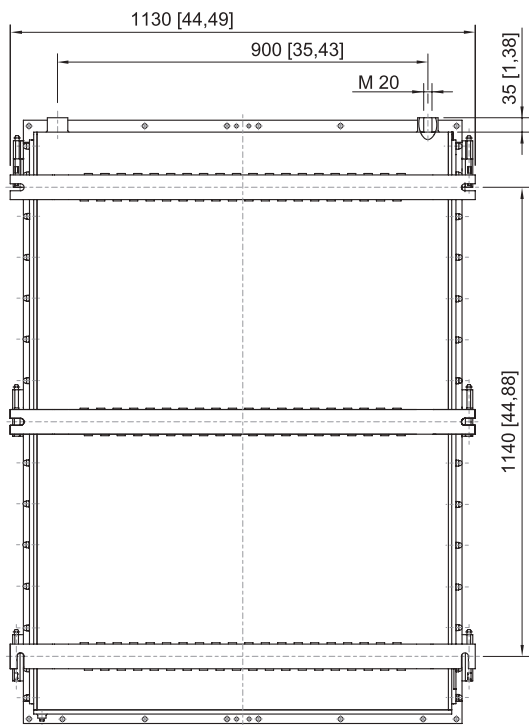
EXpressure Ex d cabinet/empty enclosure
Series 8280 Flameproof enclosure, made from stainless steel



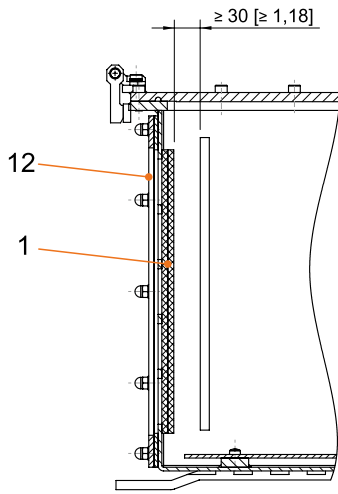
E3



Enclosure size 62
with two covers

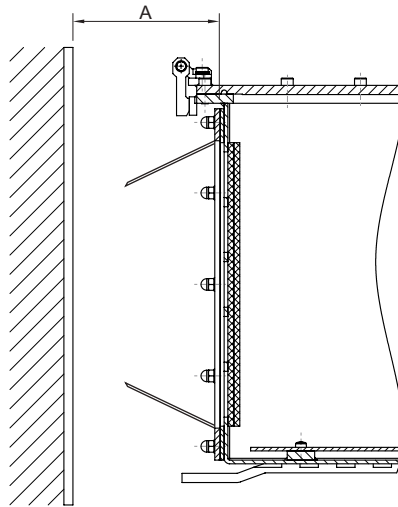


E3



Mounting distance (inner) to the grid

1 = grid
12 = rupture disc



D = mounting distance (outer) to other fixed objects

Enclosure size 20:	D = 134 mm [5.28]
Enclosure size 31:	D = 100 mm [3.94]
Enclosure size 41:	D = 162 mm [6.38]
Enclosure size 62:	D = 300 mm [11.81]



- Small, robust Ex e enclosure for distributing electrical energy
- IP66 degree of protection
- Equipped with 4 mantle terminals and 1 PE connection
- Available with plastic semi-glands or cable glands

E3

WebCode **8102A**



R. STAHL junction boxes from series 8102 are small Ex e enclosures for conducting and distributing electrical energy in hazardous areas. They are made from glass-fibre-reinforced polyester resin and are therefore extremely robust. The junction box has 5 mantle terminals, whereby one is used as a PE connection point. The cable dia. range of the mantle terminals is 2 x 4 mm².

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table					
Product Description		Ex e junction box			
Figure	Product Type	Cable glands	Terminal	Art. No.	Weight
	8102/21-42-C1151	2 x 8161/7-M20-1304 Polyamide cable gland M20 x 1.5 (4 – 13 mm) 1 x 8161/7-M25-1707 Polyamide cable gland M25 x 1.5 (7 – 17 mm) 1 x 8290/3-M20 Polyamide stopping plug, provided separately M20 x 1,5	5 x Mantle terminal 4 mm ²	132979	0.330 kg
	8102/21-32	3 x 8161/7-M20-1304 Polyamide cable gland, black M20 x 1.5 (4 – 13 mm)	5 x Mantle terminal 4 mm ²	218559 ■	0.330 kg
	8102/21-32-C995	3 x 8161/7-M20-1307 Polyamide cable gland, black M20 x 1.5 (7 – 13 mm)	5 x Mantle terminal 4 mm ²	132973 ■	0.200 kg
	8102/21-32-C1013	2 x 8161/7-M20-1304 Polyamide cable gland, black M20 x 1.5 (4 – 13 mm) 1 x 8290/3-M20 Polyamide stopping plug M20 x 1.5	5 x Mantle terminal 4 mm ²	132975 ■	0.330 kg
	8102/21-31	3 x Semi-gland M20 (6.5 – 14 mm)	5 x Mantle terminal 4 mm ²	132988 ▲	0.300 kg

Selection Table

Product Description		Ex i junction box			
Figure	Product Type	Cable glands	Terminal	Art. No.	Weight
	8102/22-32	3 x 8161/8-M20-1304 Polyamide cable gland, blue M20 x 1.5 (4 – 13 mm)	5 x Mantle terminal 4 mm²	261597 ▲	0.330 kg
	8102/22-31	3 x Semi-gland M20 (6.5 – 14 mm)	5 x Mantle terminal 4 mm²	132989 ▲	0.300 kg

Technical Data

Variant	Ex e junction box with semi-glands	Ex e junction box	Ex i junction box with semi-glands	Ex i junction box
Explosion Protection				
Scope of validity	IECEx European Union (ATEX)	IECEx European Union (ATEX)	IECEx European Union (ATEX)	IECEx European Union (ATEX)
IECEx gas explosion protection	Ex eb IIC T6 / T5 Gb	Ex eb IIC T6 / T5 Gb	Ex ia ib IIC T6 Gb	Ex ia ib IIC T6 Gb
IECEx dust explosion protection	Ex tb IIIC T80 °C / T90 °C Db	Ex tb IIIC T80 °C / T90 °C Db	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db
ATEX gas explosion protection	Ⓔ II 2 G Ex eb IIC T6 / T5 Gb	Ⓔ II 2 G Ex eb IIC T6 / T5 Gb	Ⓔ II 2 G Ex ia ib IIC T6 Gb	Ⓔ II 2 G Ex ia ib IIC T6 Gb
ATEX dust explosion protection	Ⓔ II 2 D Ex tb IIIC T80 °C / T90 °C Db	Ⓔ II 2 D Ex tb IIIC T80 °C / T90 °C Db	Ⓔ II 2 D Ex tb IIIC T80 °C Db	Ⓔ II 2 D Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), IECEx (PTB)	ATEX (PTB), IECEx (PTB)	ATEX (PTB), IECEx (PTB)	ATEX (PTB), IECEx (PTB)
Notes	For product label, see scope of validity.			
Electrical Data				
Rated operational voltage AC	0 – 690 V	0 – 690 V	0 – 60 V	0 – 60 V
Rated operational current	16 A (T6) 25 A (T5)	16 A (T6) 25 A (T5)	10 A (T6)	10 A (T6)
Ambient Conditions				
Ambient temperature	-50 °C ... +55 °C (T6) -50 °C ... +70 °C (T5)	-40 °C ... +40 °C (T6) -40 °C ... +70 °C (T5)	-50 °C ... +70 °C (T6)	-40 °C ... +70 °C (T6)
Mechanical Data				
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced

Terminal compartment

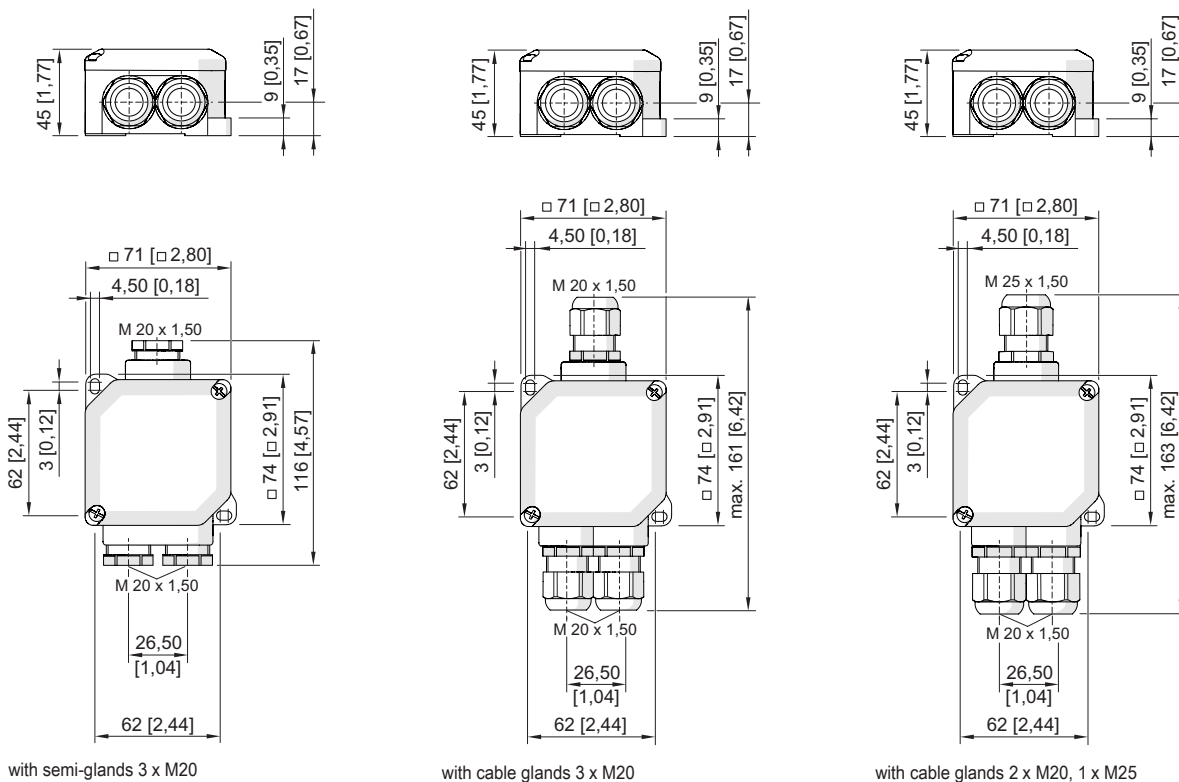
Housing/ types of terminals/ terminal compartment/ tightening torque	Conductor type	Number of conductors	Conductor cross-section (mm²)			
			0.75	1.5	2.5	4
Enclosure: 8102/2 Mantle terminal: M7 x 0.75 Terminal compartment: 3.1 x 5.4 mm Tightening torque: 3.5 Nm	solid	min.	1	1	1	1
		max.	4	4	2	2
	finely stranded, prepared, crimped core end sleeve	min.	1	1	1	
		max.	3	3	2	
	finely stranded, unprepared	min.	1	1	1	1
		max.	4	3	2	2

Note: All conductors of a terminal must have the same cross section and be made of the same material.

Accessories			
Figure	Description	Art. No.	Weight
Cable gland made of plastic			
	8161/7-M20-1304, Ex e Plastic, M20 x 1.5, cable outer diameter 4 to 13 mm Lot size 50 pieces	239156 ▲	0.013 kg
	8161/7-M25-1707, Ex e Plastic, M25 x 1.5, cable outer diameter 7 to 17 mm Lot size 50 pieces	239157 ▲	0.019 kg
	8161/8-M20-1304, Ex i Plastic, M20 x 1.5, cable outer diameter 4 to 13 mm Lot size 50 pieces	239164 ▲	0.013 kg
Semi-gland			
	8102 semi-gland 3 x M20	140474	0.019 kg
Stopping plug			
	8290/3-M20 Plastic, M20 x 1.5 Lot size 1 piece	143522 ▲	0.007 kg

Batch size: Purchase order quantity in [no. of units]; the delivery quantity is automatically rounded to the batch size.

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



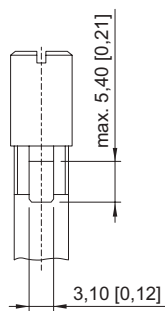
E3

Diagram of the available connection chamber of the mantle terminal



- Resistant Ex e enclosure, universally usable as connection or junction boxes and/or to safeguard electric distributors up to 6.3 A
- IP66 degree of protection
- With mantle terminals or with a combination of mantle terminals and miniature fuses (optional)

E3

MY R. STAHL 8118A

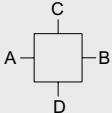
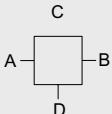
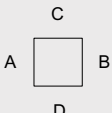
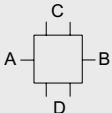
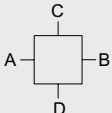
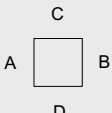
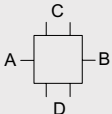
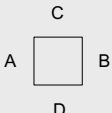


R. STAHL Series 8118 junction boxes are equipped with 4, 5 or 8 mantle terminals depending on their design size. As an option, miniature fuses can still be installed in addition. Junction boxes are therefore also suitable for safeguarding. The robust enclosure made from glass fibre reinforced polyester resin can be equipped with plastic or metal cable glands.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table						
Product Description		Ex e junction box				
Ambient temperature		-60 °C ... +40 °C (T6)				
Ambient temperature		-60 °C ... +55 °C (T4)				
		-76°F ... +104°F (T6)				
		-76°F ... +131°F (T4)				
Figure	Product Type	Rated operational voltage AC	Cable glands	Type of terminals 1	Art. No.	Weight
	8118/121-638-C1917	690 V	2 x 8161/7-M25-1707-LT Polyamide cable gland, black with plug M25 x 1.5 (7 – 17 mm) 2 x 8161/7-M25-1707-LT Polyamide cable gland, black M25 x 1.5 (7 – 17 mm)	6 x Mantle terminal 6 mm²	253858	800 g
	8118/131-899-C1918	690 V	3 x 8161/7-M32-2109-LT Polyamide cable gland, black M32 x 1.5 (9 – 21 mm) 1 x 8161/7-M25-1707-LT Polyamide cable gland, black M25 x 1.5 (7 – 17 mm)	8 x Mantle terminal 10 mm²	253859	900 g

Selection Table

Product Description	Ex e junction box					
Ambient temperature	-60 °C ... +40 °C (T6)					
Ambient temperature	-60 °C ... +55 °C (T5)					
Ambient temperature	-76°F ... +104°F (T6)					
Ambient temperature	-76°F ... +131°F (T5)					
Figure	Product Type	Rated operational voltage AC	Cable glands	Type of terminals 1	Art. No.	Weight
	8118/111-503	550 V	3 x 8161/7-M20-1304-LT Polyamide cable gland, black (Provided separately) M20 x 1.5 (4 – 13 mm) 1 x 8290/3-M20 Polyamide stopping plug (Provided separately) M20 x 1.5	5 x Mantle terminal 4 mm ²	133248	300 g
	8118/111-401	550 V	2 x 8161/7-M20-1304-LT Polyamide cable gland, black (Provided separately) M20 x 1.5 (4 – 13 mm) 1 x 8290/3-M20 Polyamide stopping plug (Provided separately) M20 x 1.5, provided separately	4 x Mantle terminal 4 mm ²	133077	280 g
	8118/111-400	550 V	–	4 x Mantle terminal 4 mm ²	133218	301 g
	8118/121-807	750 V	4 x 8161/7-M25-1707-LT Polyamide cable gland, black (Provided separately) M25 x 1.5 (7 – 17 mm) 2 x 8290/3-M25 Polyamide stopping plug (Provided separately) M25 x 1.5	8 x Mantle terminal 6 mm ²	133126	600 g
	8118/121-805	750 V	3 x 8161/7-M25-1707-LT Polyamide cable gland, black (Provided separately) M25 x 1.5 (7 – 17 mm) 1 x 8290/3-M25 Polyamide stopping plug (Provided separately) M25 x 1.5	8 x Mantle terminal 6 mm ²	133114	570 g
	8118/121-800	750 V	–	8 x Mantle terminal 6 mm ²	133220	480 g
	8118/131-811	750 V	4 x 8161/7-M32-2109-LT Polyamide cable gland, black (Provided separately) M32 x 1.5 (9 – 21 mm) 2 x 8290/3-M32 Polyamide stopping plug (Provided separately) M32 x 1.5	8 x Mantle terminal 10 mm ²	133186	850 g
	8118/131-800	750 V	–	8 x Mantle terminal 10 mm ²	133222	680 g

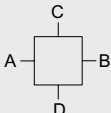
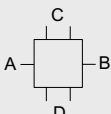
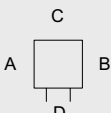
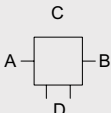
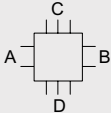
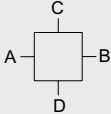
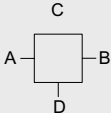
Junction boxes

Series 8118 Made of moulded material, with 4 to 8 mantle terminals

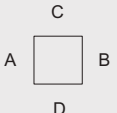
STAHL

E3

Selection Table

Product Description	Ex e junction box					
Ambient temperature	-40 °C ... +40 °C (T6)					
Ambient temperature	-40 °C ... +55 °C (T5)					
Ambient temperature	-40°F ... +104°F (T6)					
Ambient temperature	-40°F ... +131°F (T5)					
Figure	Product Type	Rated operational voltage AC	Cable glands	Type of terminals 1	Art. No.	Weight
	8118/111-503-C1629	550 V	2 x 8161/7-M20-1304 Polyamide cable gland, black (Provided separately) M20 x 1.5 (4 – 13 mm) 2 x 8290/3-M20 Polyamide stopping plug (Provided separately) M20 x 1.5	5 x Mantle terminal 4 mm ²	223876	370 g
	8118/121-806	750 V	4 x 8161/7-M20-1304 Polyamide cable gland, black (Provided separately) M20 x 1.5 (4 – 13 mm) 2 x 8290/3-M20 Polyamide stopping plug (Provided separately) M20 x 1.5	8 x Mantle terminal 6 mm ²	133120	560 g
	8118/121-539	750 V	2 x 8161/7-M25-1707 Polyamide cable gland, black (Provided separately) M25 x 1.5 (7 – 17 mm)	5 x Mantle terminal 6 mm ²	133253	600 g
	8118/121-538	750 V	4 x 8161/7-M25-1707 Polyamide cable gland, black (Provided separately) M25 x 1.5 (7 – 17 mm)	5 x Mantle terminal 6 mm ²	133252	625 g
	8118/131-814	750 V	6 x 8161/7-M25-1707 Polyamide cable gland, black (Provided separately) M25 x 1.5 (7 – 17 mm) 4 x 8290/3-M25 Polyamide stopping plug (Provided separately) M25 x 1.5	8 x Mantle terminal 10 mm ²	133210	850 g
Product Description	Ex i junction box					
Ambient temperature	-40 °C ... +75 °C (T6)					
Ambient temperature	-40°F ... +167°F (T6)					
Figure	Product Type	Rated operational voltage AC	Cable glands	Type of terminals 1	Art. No.	Weight
	8118/211-403	60 V	3 x 8161/8-M20-1304 Polyamide cable gland, blue (Provided separately) M20 x 1.5 (7 – 17 mm) 1 x 8290/3-M20 Polyamide stopping plug (Provided separately) M20 x 1.5	4 x Mantle terminal 4 mm ²	133104	330 g
	8118/211-401	60 V	2 x 8161/8-M20-1304 Polyamide cable gland, blue (Provided separately) M20 x 1.5 (4 – 13 mm) 1 x 8290/3-M20 Polyamide stopping plug (Provided separately) M20 x 1.5	4 x Mantle terminal 4 mm ²	133084	280 g

Selection Table

Product Description		Ex i junction box				
Ambient temperature		-20 °C ... +75 °C (T6)				
Ambient temperature		-4°F ... +167°F (T6)				
Figure	Product Type	Rated operational voltage AC	Cable glands	Type of terminals 1	Art. No.	Weight
	8118/221-899	60 V	—	8 x Mantle terminal 6 mm ²	133219	500 g

"—" = marking for installation option
Junction boxes with miniature fuse on request

Technical Data

Variant	Ex e junction box	Ex i junction box
Explosion Protection		
Scope of validity	European Union (ATEX) IECEx	European Union (ATEX) IECEx
IECEx gas explosion protection	Ex eb IIC T6 / T5 Gb	Ex ia ib IIC T6 Gb
IECEx dust explosion protection	Ex tb IIIC T80 °C / T95 °C Db	Ex tb IIIC T80 °C Db
ATEX gas explosion protection	Ⓔ II 2 G Ex eb IIC T6 / T5 Gb	Ⓔ II 2 G Ex ia ib IIC T6 Gb
ATEX dust explosion protection	Ⓔ II 2 D Ex tb IIIC T80 °C / T95 °C Db	Ⓔ II 2 D Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), Brazil (ULB), China (NEPSI), IECEx (PTB), India (PESO), Korea (KTL)	ATEX (PTB), Brazil (ULB), China (NEPSI), IECEx (PTB), India (PESO)
Declaration of Conformity	ATEX (EUK), China (CCC)	China (CCC)
Notes	For product label, see scope of validity.	
Mechanical Data		
Enclosure material	Polyester resin, Glass fibre reinforced	Polyester resin, Glass fibre reinforced
Packaging unit	1	1

Accessories

Figure	Description	Art. No.	Weight
Cable gland made of plastic			
	8161/7-M20-1304, Ex e Plastic, M20 x 1.5, cable outer diameter 4 to 13 mm Lot size 50 pieces	239156	13 g
	8161/7-M20-1307-LT, Ex e Plastic, M20 x 1.5, cable outer diameter 7 to 13 mm Lot size 50 pieces	239204	13 g
	8161/7-M25-1707, Ex e Plastic, M25 x 1.5, cable outer diameter 7 to 17 mm Lot size 50 pieces	239157	19 g
	8161/7-M25-1710-LT, Ex e Plastic, M25 x 1.5, cable outer diameter 10 to 17 mm Lot size 50 pieces	239205	19 g
Plastic cable gland			
	8161/7-M32-2109, Ex e Plastic, M32 x 1.5, cable outer diameter 9 to 21 mm Lot size 25 pieces	239158	32 g
	8161/7-M32-2113-LT, Ex e Plastic, M32 x 1.5, cable outer diameter 13 to 21 mm Lot size 25 pieces	239206	32 g
	8161/8-M20-1304, Ex i Plastic, M20 x 1.5, cable outer diameter 4 to 13 mm Lot size 50 pieces	239164	13 g

Junction boxes

Series 8118 Made of moulded material, with 4 to 8 mantle terminals

STAHL

E3

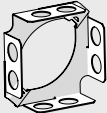
Accessories

Figure	Description	Art. No.	Weight
Stopping plug			
	8290/3-M20 Plastic, M20 x 1.5 Lot size 100 pieces	285773	500 g
	8290/3-M25 Plastic, M25 x 1.5 Lot size 100 piece	285774	700 g
	8290/3-M32 Plastic, M32 x 1.5 Lot size 50 piece	285779	600 g
Brass plate with thread			
	8118 SZ 1, plate 37 x 30 mm [1.46 x 1.18 inch] 1 x M20 x 1.5 with M4 PE connection (left) Can be installed in enclosures of SZ 1, SZ 2 and SZ 3	168913	-
	8118 SZ 1, plate 37 x 30 mm [1.46 x 1.18 inch] 1 x M20 x 1.5 with M4 PE connection (right) Can be installed in enclosures of SZ 1, SZ 2 and SZ 3	168914	-
	8118 SZ 2, plate 56 x 40 mm [2.2 x 1.57 inch] 2 x M20 x 1.5 with M4 PE connection (right) For installation in enclosure SZ 2 and SZ 3	244072	-
	8118 SZ 2, plate 56 x 40 mm [2.2 x 1.57 inch] 1 x M25 x 1.5 with M4 PE connection (left) For installation in enclosure SZ 2 and SZ 3	211341	-
	8118 SZ 3, plate 74 x 40 mm [2.91 x 1.57 inch] 2 x M20 x 1.5 with M4 PE connection (centre) For installation in enclosure SZ 2 and SZ 3	168915	-
	8118 SZ 3/B, plate 74 x 40 mm [2.91 x 1.57 inch] 2 x M20 x 1.5 with M4 PE connection (centre) For installation in enclosure SZ 2 and SZ 3	244075	-
	8118 SZ 3, plate 74 x 40 mm [2.91 x 1.57 inch] 1 x M20 x 1.5 + 1 x M10 with M4 PE connection (centre) For installation in enclosure SZ 2 and SZ 3	211342	-
	8118 SZ 3, plate 74 x 40 mm [2.91 x 1.57 inch] 2 x M25 x 1.5 with M4 PE connection (centre) For installation in enclosure SZ 2 and SZ 3	168916	-
	8118 SZ 3, plate 74 x 40 mm [2.91 x 1.57 inch] 1 x M25 x 1.5 + 1 x M10 with M4 PE connection (centre) For installation in enclosure SZ 2 and SZ 3	211343	-
	8118 SZ 4, plate 95 x 46 mm [3.74 x 1.81 inch] 2 x M20 x 1.5 with M4 PE connection (centre) For installation in enclosure SZ 3	168917	-
	8118 SZ 4, plate 95 x 46 mm [3.74 x 1.81 inch] 2 x M25 x 1.5 with M4 PE connection (centre) For installation in enclosure SZ 3	168918	-
	8118 SZ 5, plate 107 x 46 mm [4.21 x 1.81 inch] 2 x M20 x 1.5 + 1 x M10 with M4 PE connection For installation in enclosure SZ 3	211344	-
	8118 SZ 5, plate 107 x 46 mm [4.21 x 1.81 inch] 2 x M25 x 1.5 + 1 x M10 with M4 PE connection (centre) For installation in enclosure SZ 3	211345	-

Spare Parts

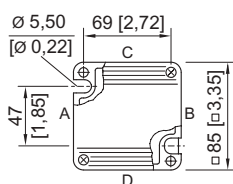
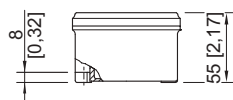
Figure	Description	Art. No.	Weight
Angle			
	Bracket 8118 SZ 2, for junction boxes, 4 x M25 For installation in enclosure SZ 2	202959	-

Spare Parts

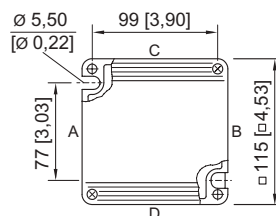
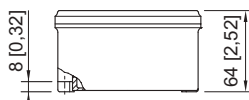
Figure	Description	Art. No.	Weight
Angle			
	Bracket 8118 size 3, for junction boxes, 8 x M25 For installation in enclosure SZ 3	202960	-

Batch size: Purchase order quantity in [no. of units]; the delivery quantity is automatically rounded to the batch size.

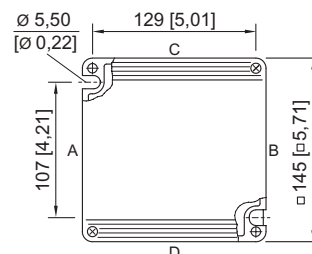
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



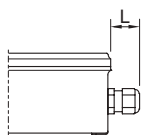
8118/.1.
Enclosure SZ 1



8118/.2.
Enclosure SZ 2



8118/.3.
Enclosure SZ 3



Length L

Projection dimension for cable gland of Series 8161:

For M20: 25 to 31 [0.98 to 1.22]

For M25: 27 to 33 [1.06 to 1.3]

For M32: 32 to 39 [1.26 to 1.54]

Projection dimension for cable gland with strain relief
of Series HSK-K-MZ

For M25: 41 [1.61]