

01849E00

Control Station in Sheet Steel or Stainless Steel Series 8125

- Explosion protection to
 - CENELEC
 - IEC
- Can be used
 - in Zone 1 and Zone 2
 - in Zone 21 and Zone 22
- Enclosures in galvanized sheet steel or stainless steel
- 6 basic enclosure sizes
- Different enclosure heights
- Options:
 - Flanges
 - Cover hinges
- Can be combined to larger units
- Equipped with built-in units for snap-in fitting
 - Control units
 - Indicating lamps
 - Illuminated buttons
 - Control switches
 - Ammeters
 - Voltmeters

STAHL

8125 series control stations are designed to incorporate control, display and regulation devices. The number of units fitted depends on the control station size and the space required to fit each device. It is not possible to standardize this.

Zones 1 & 2, 21 & 22

Equipment table for control stations 8125, for units with contact spacing of 42 mm



09338E00

8082
Control unit with actuators \varnothing 38 mm



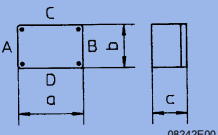
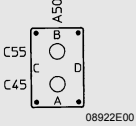
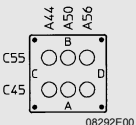
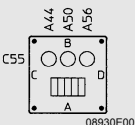
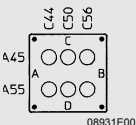
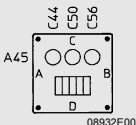
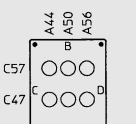
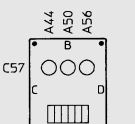
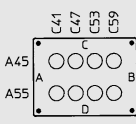
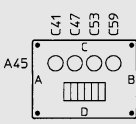
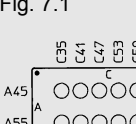
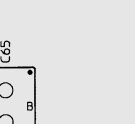
09339E00

8010
Indicating lamp



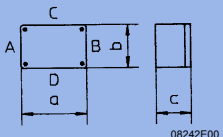
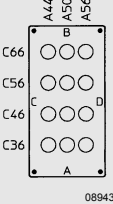
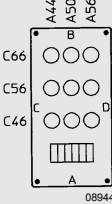
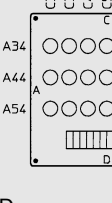
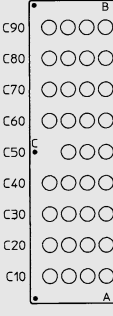
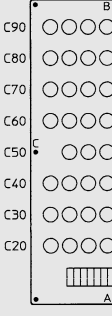
09340E00

8082/8010
Illuminated button

Enclosure	Equipment configuration maximum options with built-in units with contact spacing of 42 mm, such as: control units 8082, indicating lamps 8010 and illuminated buttons 8082/8010	Ordering code	Weight (empty enclosure) [kg]						
 <p>Enclosure size 4</p> <p>Dimensions [mm]</p> <table border="1"> <tr> <td>a</td> <td>b</td> <td>c</td> </tr> <tr> <td>176</td> <td>116</td> <td>91</td> </tr> </table> <p>Side facing down</p>	a	b	c	176	116	91	<p>Fig. 4.1</p> 	8125/5041-...	1,0
a	b	c							
176	116	91							
<p>Enclosure size 5</p> <p>Dimensions [mm]</p> <table border="1"> <tr> <td>a</td> <td>b</td> <td>c</td> </tr> <tr> <td>176</td> <td>176</td> <td>91</td> </tr> </table> <p>Side facing down</p>	a	b	c	176	176	91	<p>Fig. 5.1</p>  <p>Fig. 5.2</p>  <p>Fig. 5.3</p>  <p>Fig. 5.4</p> 	8125/5051-...	1,5
a	b	c							
176	176	91							
<p>Enclosure size 6</p> <p>Dimensions [mm]</p> <table border="1"> <tr> <td>a</td> <td>b</td> <td>c</td> </tr> <tr> <td>236</td> <td>176</td> <td>91</td> </tr> </table> <p>Side facing down</p>	a	b	c	236	176	91	<p>Fig. 6.1</p>  <p>Fig. 6.2</p>  <p>Fig. 6.3</p>  <p>Fig. 6.4</p> 	8125/5061-...	2,1
a	b	c							
236	176	91							
<p>Enclosure size 7</p> <p>Dimensions [mm]</p> <table border="1"> <tr> <td>a</td> <td>b</td> <td>c</td> </tr> <tr> <td>360</td> <td>176</td> <td>91</td> </tr> </table> <p>Side facing down</p>	a	b	c	360	176	91	<p>Fig. 7.1</p>  <p>Fig. 7.2</p> 	8125/5071-...	3,1
a	b	c							
360	176	91							
Add. to ordering code	Enclosure material:	sheet steel, painted	8125/.....-1.						
		stainless steel	8125/.....-2.						
	Please specify side facing down:	side A bottom (see above)	8125/.....-A						
		side D bottom (see above)	8125/.....-D						



Control Station in Sheet Steel or Stainless Steel Series 8125

Enclosure		Equipment configuration maximum options with built-in units with contact spacing of 42 mm, such as: control units 8082, indicating lamps 8010 and illuminated buttons 8082/8010		Ordering code	Weight (empty enclosure) [kg]
				8125/5071-...	3,1
Enclosure size 7	Dimensions [mm] a b c 360 176 91	Fig. 7.3	Fig. 7.4		
Side facing down				8125/5081-...	5,6
Enclosure size 8	Dimensions [mm] a b c 360 360 91	Fig. 8.1	Fig. 8.2		
Side facing down				8125/5091-...	9,2
Enclosure size 9	Dimensions [mm] a b c 727 360 91	Fig. 9.1	Fig. 9.2		
Side facing down				8125/5091-...	9,2
Enclosure size 9	Dimensions [mm] a b c 727 360 91	Fig. 9.2	Fig. 9.3		
Side facing down					
Add. to ordering code		Enclosure material:		8125/.....-1.	
		sheet steel, painted		8125/.....-2.	
		stainless steel		8125/.....-A	
		Please specify side facing down:		8125/.....-D	
		side A bottom (see above)			
		side D bottom (see above)			



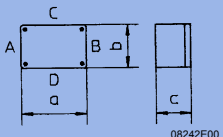
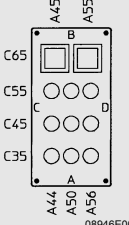
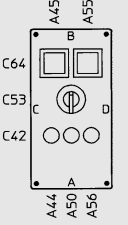
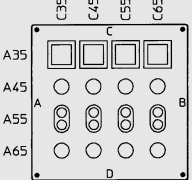
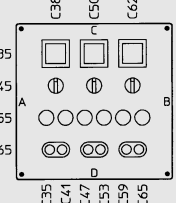
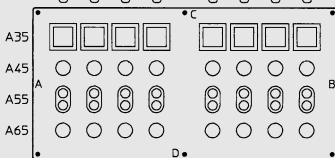
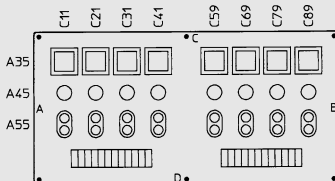
Equipment table for control stations 8125, for units with contact spacing of > 42 mm



Enclosure	Equipment configuration	Ordering code	Weight (empty enclosure) [kg]
<p>Enclosure size 4</p> <p>Dimensions [mm]</p> <p>a b c</p> <p>176 116 91</p> <p>Side facing down</p>	<p>maximum options with built-in units with contact spacing of 42 mm; such as: control switches 8008, ammeters 8405, control units 8082 with actuators $\varnothing > 38$ mm</p> <p>Fig. 4.4 Fig. 4.5 Fig. 4.6 Fig. 4.7</p> <p>A A D D</p>	8125/5041-..	1,0
<p>Enclosure size 5</p> <p>Dimensions [mm]</p> <p>a b c</p> <p>176 176 91</p> <p>Side facing down</p>	<p>Fig. 5.5 Fig. 5.6</p> <p>D D</p>	8125/5051-..	1,5
<p>Enclosure size 6</p> <p>Dimensions [mm]</p> <p>a b c</p> <p>236 176 91</p> <p>Side facing down</p>	<p>Fig. 6.5 Fig. 6.6</p> <p>A A</p>	8125/5061-..	2,1
<p>Enclosure size 7</p> <p>Dimensions [mm]</p> <p>a b c</p> <p>360 176 91</p> <p>Side facing down</p>	<p>Fig. 7.5</p> <p>D</p>	8125/5071-..	3,1
Add. to ordering code	<p>Enclosure material:</p> <p>sheet steel, painted</p> <p>stainless steel</p> <p>Please specify side facing down:</p> <p>side A bottom (see above)</p> <p>side D bottom (see above)</p>	<p>8125/...-1.</p> <p>8125/...-2.</p> <p>8125/...-A</p> <p>8125/...-D</p>	




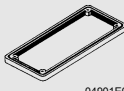
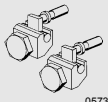


Control Station in Sheet Steel or Stainless Steel Series 8125

Enclosure		Equipment configuration maximum options with built-in units with contact spacing of 42 mm; such as: control switches 8008, ammeters 8405, control units 8082 with actuators $\varnothing > 38$ mm		Ordering code	Weight (empty enclosure) [kg]
					
Enclosure size 7	Dimensions [mm] a b c 360 176 91	Fig. 7.6 	Fig. 7.7 	8125/5071-...	3,1
Side facing down		A	A		
Enclosure size 8	Dimensions [mm] a b c 360 360 91	Fig. 8.3 	Fig. 8.4 	8125/5081-...	5,6
Side facing down		D	D		
Enclosure size 9	Dimensions [mm] a b c 727 360 91	Fig. 9.4 		8125/5091-...	9,2
Side facing down		D			
Enclosure size 9	Dimensions [mm] a b c 727 360 91	Fig. 9.5 		8125/5091-...	9,2
Side facing down		D			
Add. to ordering code	Enclosure material:	sheet steel, painted		8125/.....-1.	
		stainless steel		8125/.....-2.	
	Please specify side facing down:	side A bottom (see above)		8125/.....-A	
		side D bottom (see above)		8125/.....-D	



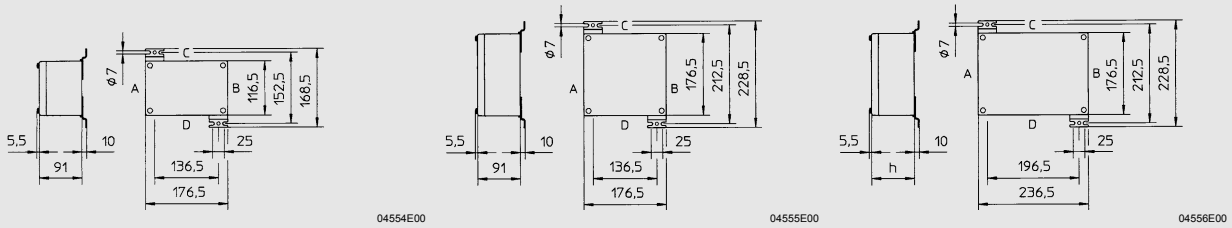


Accessories and spare parts				
Designation	Illustration	Description	Ordering code	Weight kg
Flange	 05740E00	Size 1 sheet steel	8125001490	0,200
		Size 1 stainless steel	8125902490	0,340
		can be mounted on enclosure side		
		8125/.051 C/D		
		8125/.061 A/B/C/D		
		8125/.071 A/B/C/D		
		8125/.S71 C/D		
		8125/.081 A/B/C/D		
	 05738E00	Size 2 sheet steel	8125002490	1,050
		Size 2 stainless steel	8125904490	1,310
		can be mounted on enclosure side		
		8125/.073 C/D		
		8125/.083; /.085 A/B/C/D		
		8125/.093; /.095 A/B/C/D		
 05739E00	Size 3 sheet steel	8125003490	1,050	
	Size 3 stainless steel	8125906490	0,630	
	can be mounted on enclosure side			
	8125/.063 A/B/C/D			
	8125/.073 A/B			
Spacers	 04901E00	Size 0 (68 mm x 68 mm)	8146003100	0,010
		Size 1 (68 mm x 128 mm)	8146001100	0,020
		Size 2 (126 mm x 266 mm)	8146004100	0,040
		Size 3 (126 mm x 126 mm)	8146011100	0,100
Cover hinges	 05737E00	8125 for retrofitting to enclosure Kit consisting of:		
		2 hinges	8125802290	0,034
		3 hinges	8125803290	0,051

Technical Data

Explosion protection	
Gas explosion protection	⊕ II 2 G EEx edmq [ia/ib] T6, T5 or T4
Dust explosion protection	⊕ II 2 D IP66 T80 °C, T95 °C, T130 °C
Certificates	
Gas explosion protection	PTB 01 ATEX 1001
Dust explosion protection	LCIE 03 ATEX 6292
Other certificates	IECEX, CSA (Canada), UL (USA), Promatomnadzor (Belarus)
Material	
Enclosure	dependent on version selected: sheet steel, galvanized; painted light grey, RAL 7032 or stainless steel without paint (paint finish can be ordered)
Gaskets	Polyurethane, foam
Flanges	
Standard	The enclosures are supplied without flanges in the standard version
Special	The enclosures can be fitted on one or more sides with flanges; flange material: sheet steel, galvanized or stainless steel
Cover fixing	
Standard	M 6, Cheese-head screws with combi-slot; captive; stainless steel
Special	with cover hinges
Rated working voltage	max. 690 V (dependent on equipment installed)
Connections	directly to component units or via terminal block
Degree of protection	IP 66 (dependent on components used)
Ambient temperature	- 20 °C ... + 40 °C

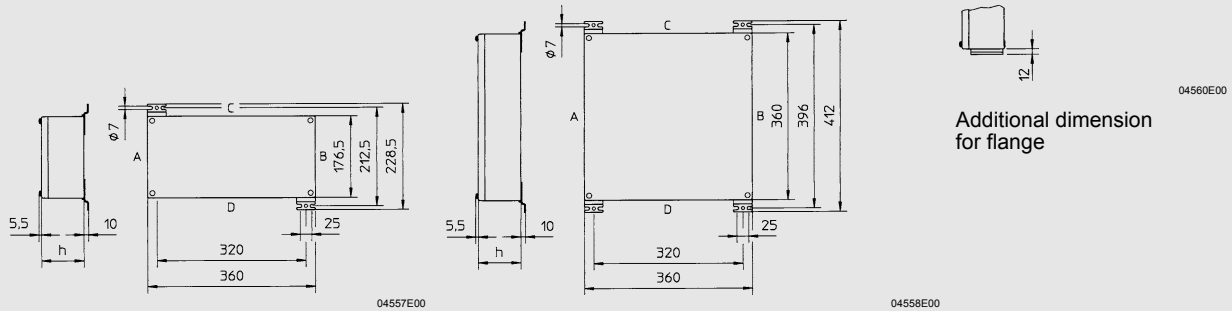
Dimension drawings (all dimensions in mm) - subject to alterations



8125/04.

8125/05.

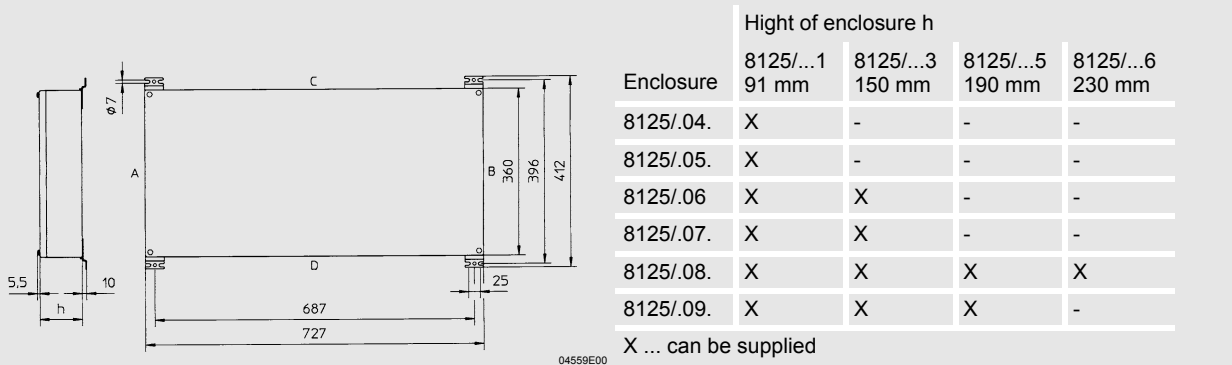
8125/06.



8125/07.

8125/08.

Additional dimension
for flange



8125/09.

Enclosure	Hight of enclosure h			
	8125/...1 91 mm	8125/...3 150 mm	8125/...5 190 mm	8125/...6 230 mm
8125/04.	X	-	-	-
8125/05.	X	-	-	-
8125/06	X	X	-	-
8125/07.	X	X	-	-
8125/08.	X	X	X	X
8125/09.	X	X	X	-

X ... can be supplied

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

