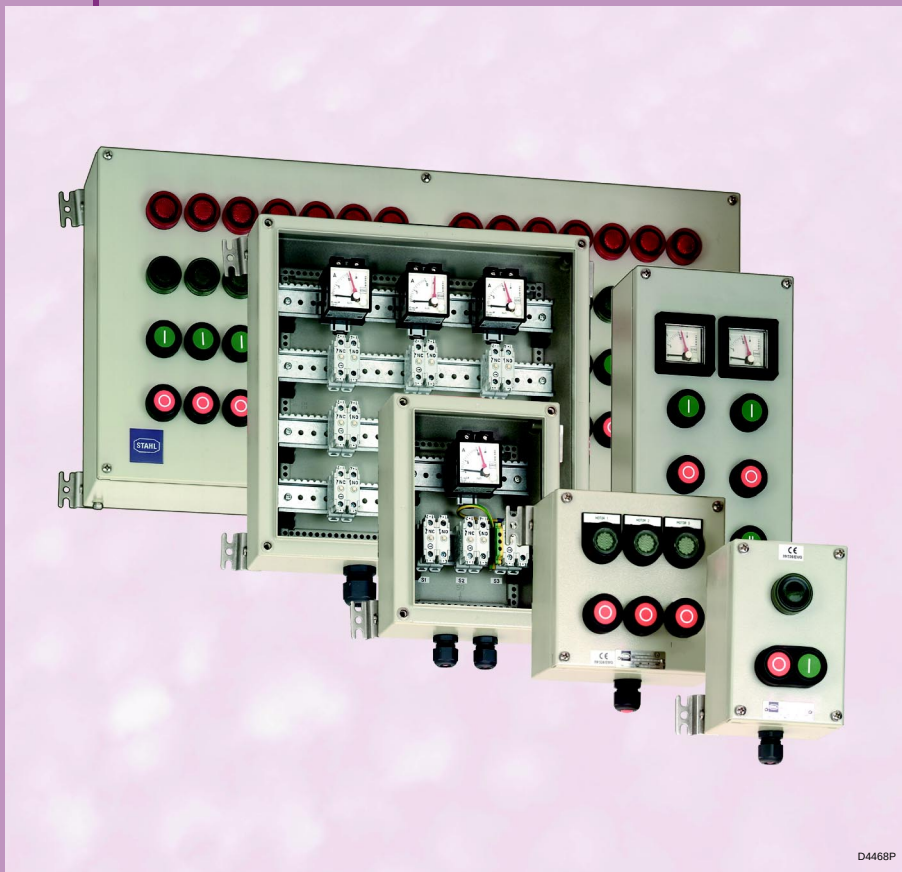




Control Station in Sheet Steel or Stainless Steel Series 8125

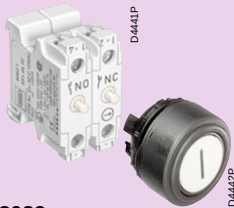
- Explosion protection to
 - CENELEC
 - IEC
 - NEC
- Can be used in Zone 1 and Zone 2
- Enclosures in galvanized sheet steel or stainless steel
- 7 basic enclosure sizes
- Different enclosure heights
- Options:
 - Flanges
 - Cover hinges
- Can be combined to larger units
- Equipped with build-in units 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.

Zone 1 and Zone 2

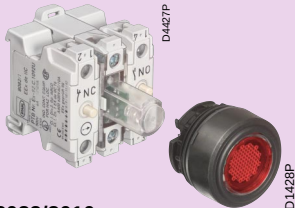
Equipment table for control stations 8125, for units with contact spacing of 42 mm



8082
Control unit with actuators Ø 38 mm

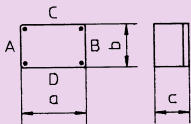


8010
Indicating lamp



8082/8010
Illuminated button

Enclosure



Equipment configuration

Maximum options with build-in units with contact spacing of 42 mm, such as: control unit 8082, indicating lamp 8010 and illuminated buttons 8082/8010

Ordering code

Weight
(empty enclosure)

[kg]

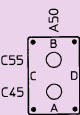
Enclosure size

Dimensions [mm]

4

a b c
176 116 91

Fig. 4.1



Side facing down

A →

8125/5041-3□□

1,0

Enclosure size

Dimensions [mm]

5

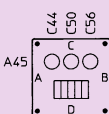
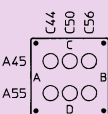
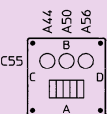
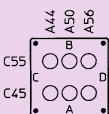
a b c
176 176 91

Fig. 5.1

Fig. 5.2

Fig. 5.3

Fig. 5.4



Side facing down

A A D D →

8125/5051-3□□

1,5

Enclosure size

Dimensions [mm]

6

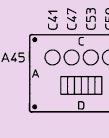
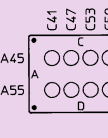
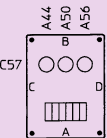
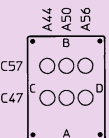
a b c
236 176 91

Fig. 6.1

Fig. 6.2

Fig. 6.3

Fig. 6.4



Side facing down

A A D D →

8125/5061-3□□

2,1

Enclosure size

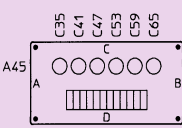
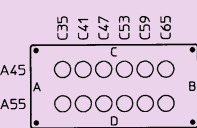
Dimensions [mm]

7

a b c
360 176 91

Fig. 7.1

Fig. 7.2



Side facing down

D D →

8125/5071-3□□

3,1

Add. to ordering code:

Enclosure material
sheet steel, painted
stainless steel

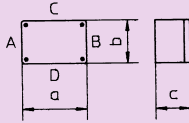
Please specify side facing down A or D (see above)

1
2

STAHL

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

Enclosure



Equipment configuration

Maximum options with build-in units with contact spacing of > 42 mm, such as: control unit 8082, indicating lamp 8010 and illuminated buttons 8082/8010

Ordering code

Weight
(empty enclosure)

[kg]

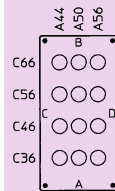
Enclosure size

Dimensions [mm]

7

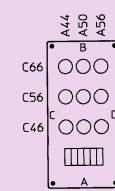
a b c
360 176 91

Fig. 7.3



A

Fig. 7.4



A

8125/5071-3□□

3,1

Side facing down

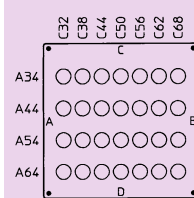
Enclosure size

Dimensions [mm]

8

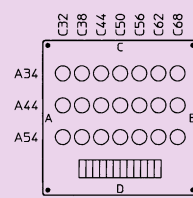
a b c
360 360 91

Fig. 8.1



D

Fig. 8.2



D

8125/5081-3□□

5,6

Side facing down

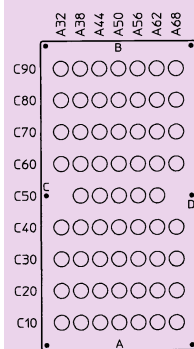
Enclosure size

Dimensions [mm]

9

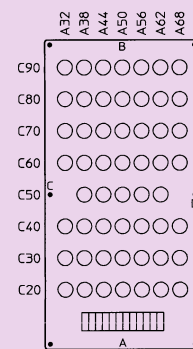
a b c
727 360 91

Fig. 9.1



A

Fig. 9.2



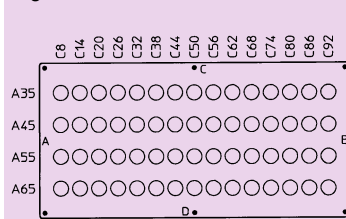
A

8125/5091-3□□

9,2

Side facing down

Fig. 9.3



D

Side facing down

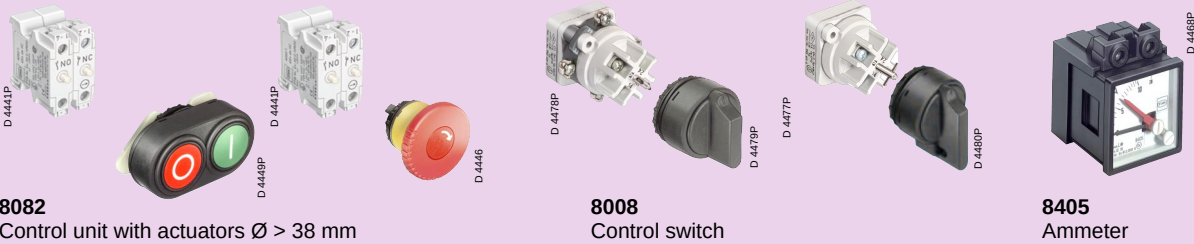
Add. to ordering code:

Enclosure material
sheet steel, painted
stainless steel

1
2

Please specify side facing down A or D (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]
	Maximum options with build-in units with contact spacing > 42 mm, such as: Control unit 8008, ammeter 8405 and control unit 8082 mit Actuator Ø > 38 mm		

Enclosure size	Dimensions [mm]	Fig. 4.4	Fig. 4.5	Fig. 4.6	Fig. 4.7	8125/5041-3□□	1,0
4	a b c 176 116 91						
Side facing down		A	A	D	D →		

Enclosure size	Dimensions [mm]	Fig. 5.5	Fig. 5.6	8125/5051-3□□	1,5
5	a b c 176 176 91				
Side facing down		D	D →		

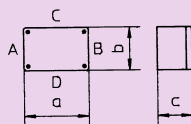
Enclosure size	Dimensions [mm]	Fig. 6.5	Fig. 6.6	8125/5061-3□□	2,1
6	a b c 236 176 91				
Side facing down		A	A →		

Enclosure size	Dimensions [mm]	Fig. 7.5	8125/5071-3□□	3,1
7	a b c 360 176 91			
Side facing down		D →		

Add. to ordering code:	Enclosure material sheet steel, painted stainless steel	1 2
	Please specify side facing down A or D (see above)	

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

Enclosure



Equipment configuration

Maximum options with build-in units with contact spacing > 42 mm, such as: control unit 8008, ammeter 8405 and control unit 8082, actuator Ø > 38 mm

Ordering code

Weight
(empty enclosure)

[kg]

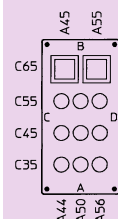
Enclosure size

Dimensions [mm]

7

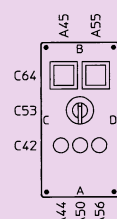
a b c
360 176 91

Fig. 7.6



A

Fig. 7.7



A

8125/5071-3□□

3,1

Side facing down

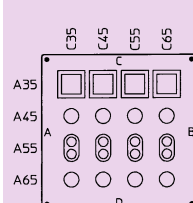
Enclosure size

Dimensions [mm]

8

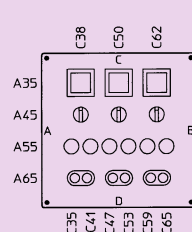
a b c
360 360 91

Fig. 8.4



D

Fig. 8.5



D

8146/5081-3□□

5,6

Side facing down

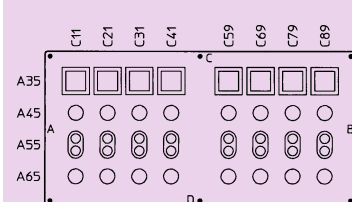
Enclosure size

Dimensions [mm]

9

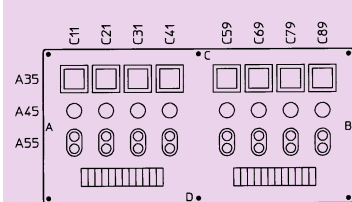
a b c
727 360 91

Fig. 9.4



D

Fig. 9.5



D

8125/5091-3□□

9,2

Side facing down

Side facing down

Add. to ordering code:

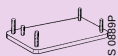
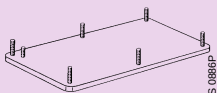
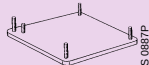
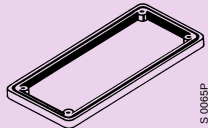
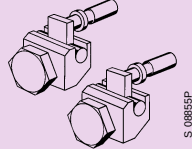
Enclosure material

Sheet steel, painted
High grade steel

1
2

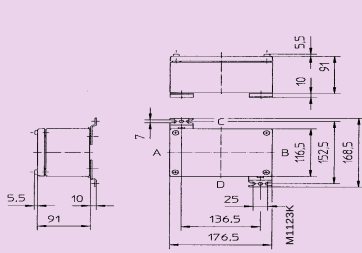
Please specify side facing down A or D (see above)

STAHL

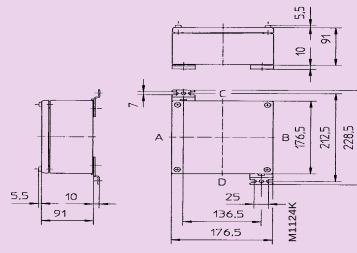
Accessories and spare parts					
Designation	Illustration	Description		Ordering code	Weight [kg]
Flange		Size 1	5 mm thick		
			version		
			sheet steel	81 250 01 49 0	0,35
			high grade steel	81 259 02 49 0	0,35
			Can be fitted in		
			Enclosure Side		
		Size 2	8125/_051 A/B/C/D		
			8125/_061 A/B/C/D		
			8125/_071 A/B/C/D		
			8125/_S71 C/D		
			8125/_081 A/B/C/D		
			sheet steel	81 250 02 49 0	0,70
		Size 3	high grade steel	81 259 04 49 0	0,70
			Can be fitted in		
			Enclosure Side		
			8125/_063 C/D		
			8125/_073 C/D		
			8125/_083;/_085 A/B/C/D		
			8125/_093;/_095 A/B/C/D		
			sheet steel	81 250 03 49 0	1,40
			high grade steel	81 259 06 49 0	1,40
			Can be fitted in		
			Enclosure Side		
			8125/_073 A/B		
Spacer frame		Frame size			
		1	(68 mm x 68 mm)	81 460 03 10 0	0,02
		2	(128 mm x 68 mm)	81 460 01 10 0	0,03
		3	(266 mm x 126 mm)	81 460 04 10 0	0,04
		4	(126 mm x 126 mm)	81 460 11 10 0	0,03
Cover hinges		8125 for retrofitting to enclosure			
		Kit consisting of:			
		2 hinges		81 258 02 29 0	0,04
		3 hinges		81 258 03 29 0	0,05

Technical data	
Explosion protection	EEx ed IIC T6
Test certificate	PTB Nr. Ex-95.D.3148 Other certifications: BKI (Hungary), CSA (Canada), FM (USA), SEV (Switzerland), TÜV Vienna (Austria), UL (USA)
Material	Dependent on version selected
Enclosure	Sheet steel, galvanized; painted light grey, RAL 7032 or high grade steel without paint (paint finish can be ordered)
Gasket	EPDM
Cover fixing	
Standard	M 6, socket head cap screw with combi-slot; stainless steel
Special	with cover hinges
Rated voltage	max. 690 V (dependent on equipment installed)
Connection	directly to component units or via terminal block
Flange	
Standard	Supplid without flanges with flanges on one or more sides
Special	Flange material: sheet steel, galvanized, or high graded steel, stainless
Degree of protection	IP 66 (dependent on equipment installed)
Ambient temperature	– 20° C ... + 40° C

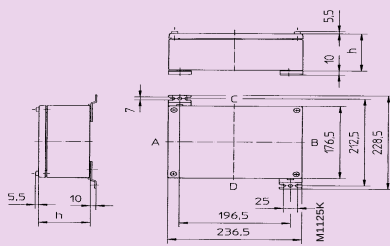
Dimensions, all Dimensions in mm – subject to alteration



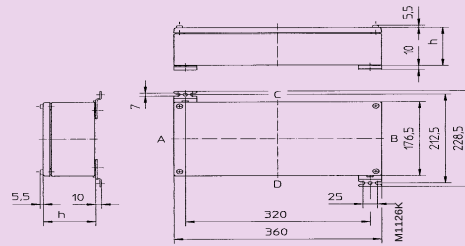
8125/04.



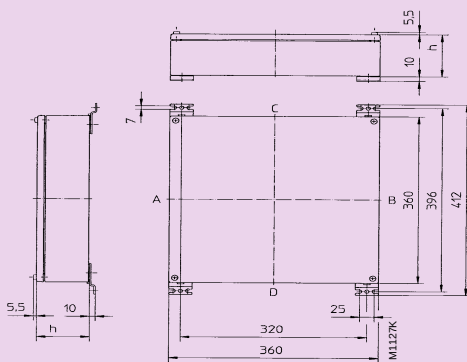
8125/05.



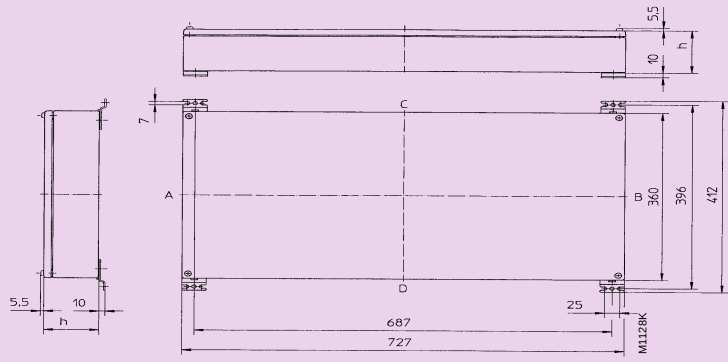
8125/06.



8125/07.



8125/08.

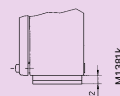


8125/09.

Enclosure	Height h			
	1 91 mm	3 150 mm	5 190 mm	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 ... size available

Enclosure height h



Additional dimension-flange fitting

STAHL