

Станции управления (Ех е) из нержавеющей стали с сертификацией ETL SR.CS2

Технические характеристики

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Россия +7(495)268-04-70

Казахстан +7(727) 345-47-04

Беларусь +(375) 257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: phb@nt-rt.ru || сайт: <https://pepperl-fuchs.nt-rt.ru/>



Control Stations Division 2, Stainless Steel

SR.CS2*

- For use in North America
- Stainless Steel enclosure
- Certified for Class I, Division 2 hazardous areas
- Up to 107 operators per control station
- 10 enclosure size options
- Return Flange Sealing provides Drain Channel
- Customizable configuration of operators, cable entry quantities and cable gland types as per specification
- Customizable configuration of gland plates, ground bolt and hinges as per specification
- Option for vertical or horizontal mounting provides high flexibility
- Up to 4 gland plates
- Wide range of labels and accessories available

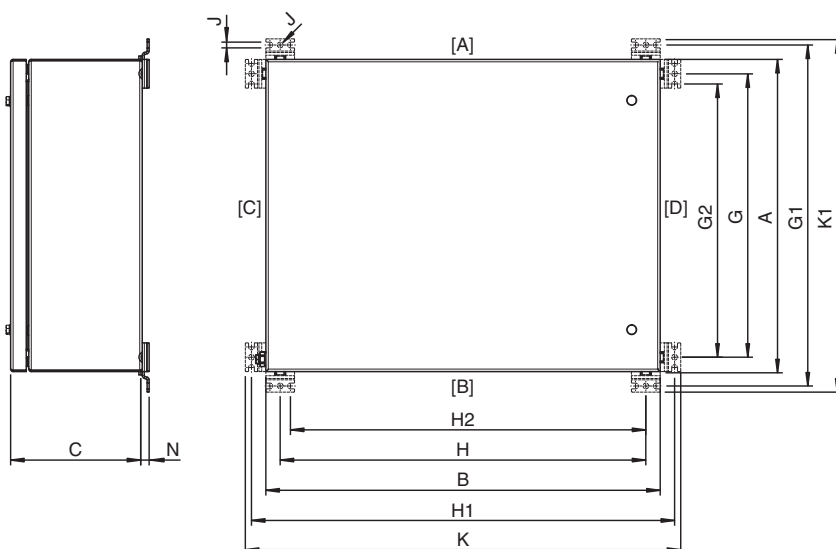
Control Stations Division 2, Stainless Steel



Function

The SR series is a flexible range of control stations for use in Class I, Division 2. The devices are fully customizable and as such will meet the needs of user specifications by being supplied with accessories such as quarter turn locks, mounting brackets or gland plates. A comprehensive range of operating elements, contact blocks, terminals, entry devices and enclosure accessories are available to ensure each configuration will exactly meet any application requirements. Enclosures are manufactured from brushed AISI 316L stainless steel and all fixings are manufactured from A4 grade stainless steel as standard to provide excellent tarnish and corrosion resistance. Your solution can be mounted in portrait or landscape orientation in temperatures ranging from -40°C up to +55 °C. Endless configurations can be confirmed by your local Pepperl+Fuchs office.

Dimensions



Dimension values see data table.

Image and drawing are generic for this device type and may deviate from the specific variant.

Dimensions and Enclosure Details

Type	External dimensions [mm]						Mounting [mm]								Mass [kg]	Cover screws		
	A	B	C	C2	K	K1	G	G1	G2	H	H1	H2	J	N		Mx	qty.	Torque [Nm]
SRM.26.26.16	260	260	160	174	310	310	225	295	212.5	225	295	212.5	7	8.5	5.8	M6	4	3 - 3.5
SRM.31.31.16	310	310	160	174	360	360	275	345	262.5	275	345	262.5	7	8.5	8	M6	4	3 - 3.5
SRM.38.38.22	380	380	220	234	430	430	345	415	332.5	345	415	332.5	7	8.5	11	M6	4	3 - 3.5
SRM.38.48.22	380	480	220	234	530	530	345	415	332.5	445	515	432.5	7	8.5	13	M6	6	3 - 3.5
SRL.40.60.22	400	600	220	234	650	450	365	435	352.5	565	635	552.5	7	8.5	15.5	M6	6	3 - 3.5
SRL.48.48.22	480	480	220	234	530	530	445	515	432.5	445	515	432.5	7	8.5	16	M6	8	3 - 3.5
SRL.48.76.22	480	760	220	234	810	530	445	515	432.5	725	795	712.5	7	8.5	22	M6	8	3 - 3.5
SRL.60.60.26	600	600	260	274	650	650	565	670	552.5	565	635	552.5	7	8.5	24	M6	8	3 - 3.5
SRX.80.80.30	800	800	300	314	900	900	765	870	752.5	765	870	752.5	7	8.5	34	M6	8	3 - 3.5
SRX.90.60.30	900	600	300	314	700	100	865	970	852.5	565	670	552.5	7	8.5	33	M6	10	3 - 3.5

Mass is valid for empty enclosure, it will increase according to enclosure accessories, integrated components and entry devices

Values might differ slightly due to manufacturing tolerances

Control Elements max. Quantity per Enclosure Type

Type	Control elements quantity max.		
	small footprint		
	vertical	horizontal	total
SRM.26.26.16	3	3	8 (*)
SRM.31.31.16	3	4	12
SRM.38.38.22	4	5	20
SRM.38.48.22	4	7	28
SRL.40.60.22	5	8	40
SRL.48.48.22	6	7	41 (*)
SRL.48.76.22	6	11	66
SRL.60.60.26	7	9	63
SRX.80.80.30	10	12	120
SRX.90.60.30	12	9	107 (*)

(*) Top left control element omitted due to space limitations

Quantities are reduced when using quarter turn key locks. For details please contact Pepperl+Fuchs

Technical Data

Electrical specifications

Operating voltage 250 V AC max.

Operating current 5 A max.

Terminal capacity 2.5 mm²

Terminal torque 0.8 Nm ... 1.2 Nm

Mechanical specifications

Enclosure cover fully detachable , hinged

Cover fixing stainless steel A4 (V4A) hexagonal head screws , see data table

Cover seal silicone

Degree of protection Type 4X

Cable entry cable glands as per specification

Gland plate on face(s) optional

Material

Enclosure 1.5 mm AISI 316L, (1.4404) stainless steel

Gland plate optional 3 mm or 6 mm AISI 316L (1.4404) stainless steel

Finish brushed

Mass see data table
valid for empty enclosure, will increase according to integrated components

Dimensions see data table

Mounting screws , optional mounting brackets enclosed

Grounding M6 internal/external brass nickel-plated grounding bolt
M6 internal stainless steel grounding bolt welded to lid
M6 internal stainless steel grounding bolt welded to enclosure body

Ambient conditions

Ambient temperature -40 ... 55 °C (-40 ... 131 °F) depending on integrated components

Technical Data

International approvals

ETL approval		
ETL certificate		Intertek 5003368 , Intertek 5022079
Approved for		Class I, Division 2, Groups A, B, C, D
cETLus		according to UL 508A , UL 121201 , CSA C22.2, No. 213, 286
Ambient temperature		-25 ... 40 °C (-13 ... 104 °F) T6 -40 ... 55 °C (-40 ... 131 °F) T5

Conformity

Degree of protection	UL 50 / UL 50E
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General information

Ordering information	This device will be delivered completely configured and assembled ready for use. For configuration details please contact Customer Service.
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable.

Accessories

Optional accessories	Mounting plate M6 internal/external stainless steel grounding bolt gland plate 3 mm AISI 316L (1.4404) stainless steel gland plate 6 mm AISI 316L (1.4404) stainless steel M6 internal stainless steel grounding bolt welded to bottom gland plate quarter-turn key locks stainless steel A4 (V4A) engraved traffolyte tag label engraved AISI 316L stainless steel tag label color in-fill stainless steel tag label cover padlock facility
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Indicators/operating means

Control elements	small footprint max. 107 see data table all NC contacts have a direct opening action for emergency stop functions
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Type Code

1		2		3		4		5		6		7		8	9
SR	.	***	.	**	.	**	.	**	.	*	.	*	-	*	*****
SR	.	CS2	.	38	.	48	.	22	.	B	.	1	-	Y	123456

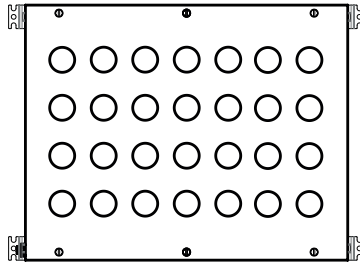
Example: SR.CS2.38.48.22.B.1-Y123456

Control Station for Division 2, stainless steel, size 38x48x22 cm, landscape orientation with face B at bottom, gland plate at bottom face, engineered product

1	Enclosure type
SR	stainless steel
2	Type of solution
CS2	control station (Class I, Division 2)
3	Height [cm]
n	see dimensions data table
4	Width [cm]
n	see dimensions data table
5	Depth [cm]
n	see dimensions data table
6	Cable entry face orientation
B	face [B] at bottom
D	face [D] at bottom
7	Gland plates
0	none
1	one gland plate at bottom face
2	two gland plates
3	three gland plates
4	four gland plates
8	Variant
S	standard product

Type Code	
8	Variant
C	configured product
CA	configured and adapted product
Y	engineered product
9	Variant number
xxxx	consecutive item number

Operating Elements Configuration



Example based on SR.CS2.38.48.22.B

Notes:

The use of label holders depends on operating elements configuration

The position of the grounding bolt can vary depending on configuration

All NC contacts have a direct opening action for emergency stop functions

For further configurations please contact Pepperl+Fuchs

For types of cable glands and combinations of different gland sizes please contact Pepperl+Fuchs

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