

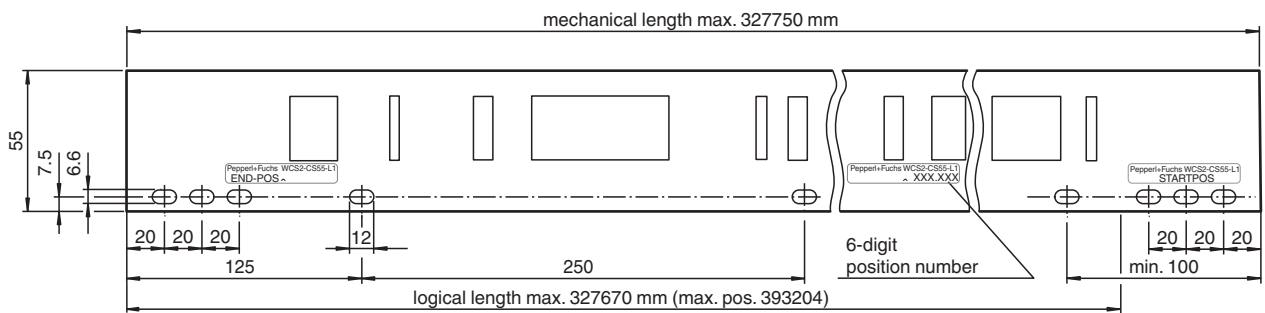
## WCS2 Code rail

WCS2-CS55-M1-S000000-L010000

- Flexible installation by means of alu profile- or mounting bracket system
- High mechanical stability
- Suitable for applications with wide temperature variations

Code rail, stainless steel

### Dimensions



### Technical Data

General specifications	
Code rail height	55 mm
Total length	10000 mm
Start position	0 mm
Radius of bend	≥ 500 mm
Ambient conditions	
Operating temperature	-40 ... 100 °C (-40 ... 212 °F)
Storage temperature	-40 ... 100 °C (-40 ... 212 °F)
Installation temperature	10 ... 60 °C (50 ... 140 °F)
Mechanical specifications	
Material thickness	0.5 mm
Tension loading	≤ 4500 N
Material	stainless steel 1.4310 / AISI 301
Thermal expansion coefficient	1.6 x 10 <sup>-5</sup> / K
Mass	175 g / m
Manufacturing tolerance	± 1 mm/m

Release date: 2023-03-09 Date of issue: 2023-03-09 Filename: 70135876-100000\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group  
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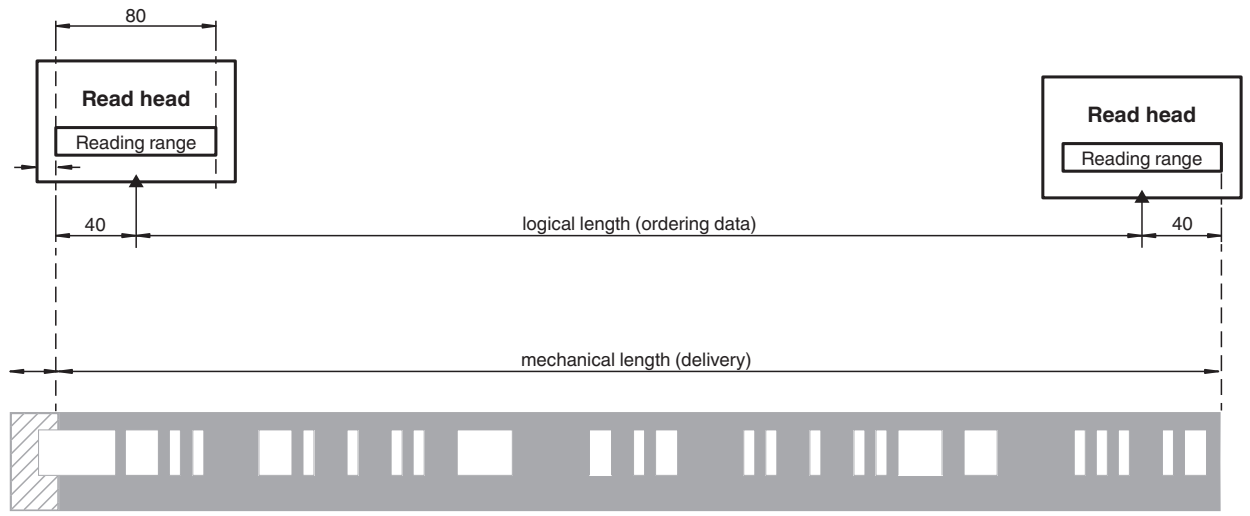
USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

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## Mounting



Automatic length correction:  
Code rail is only delivered with  
web ends or web beginnings



## Type Code

### Structure of the type code

W	C	S	2	-	C	S	(1)	-	M	1	-	S	(2)	(2)	(2)	(2)	(2)	(2)	-	L	(3)	(3)	(3)	(3)	(3)	(3)
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





<b>WCS2</b>	<b>Read head type</b>
WCS	Position encoding system
<b>CS</b>	<b>Code rail</b>
C	Code
S	Rail
<b>(1)</b>	<b>Code rail height</b>
55	Code rail height
70	Code rail height
<b>M</b>	<b>Code rail material</b>
M	Stainless steel
<b>1</b>	<b>Mounting hole type</b>
1	With mounting holes
<b>S (2) (2) (2) (2) (2)</b>	<b>Starting position</b>
(2)	
0 ... 327570	Starting position of the code rail in mm
<b>L (3) (3) (3) (3) (3) (3)</b>	<b>Code rail length</b>
100 ... 327670	Length of the code rail in mm

## Accessories

	<b>WCS-MT1</b>	Tensioning device for stainless steel code rail
	<b>WCS-MF1</b>	Wrist strap

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## Accessories

	<b>WCS2-FT1</b>	Mounting tool to safely and quickly install the 55 mm code strip in the aluminum profile
	<b>WCS2-GT09-M1</b>	WCS2 guiding trolley
	<b>WCS2-LB1-C</b>	WCS2 locking bracket
	<b>WCS2-MC2</b>	Butt connector, stainless steel
	<b>WCS2-MH1</b>	Rail bracket with screwed connection
	<b>WCS2-MH2</b>	Rail bracket with screwed connection for C profile rails
	<b>WCS2-PS1-2,5M</b>	WCS2 profile rail
	<b>WCS2-PS1-C-2,5M</b>	WCS2 profile rail, coated