

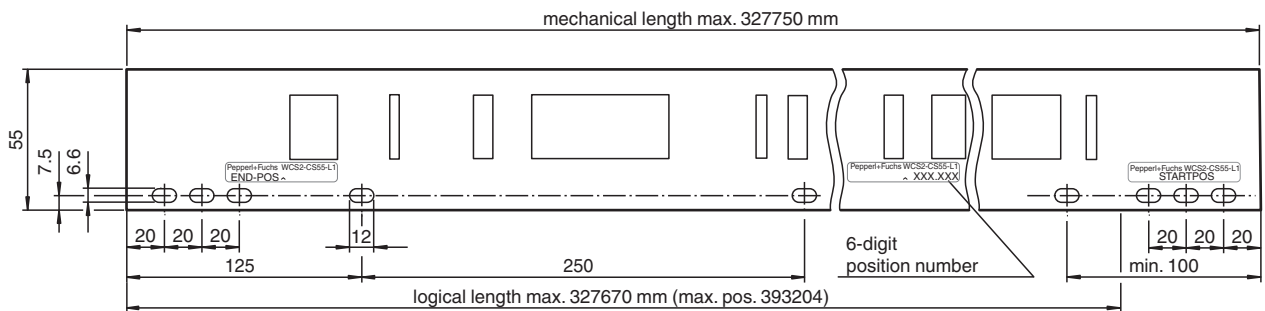
## WCS2 Code rail

WCS2-CS55-L1-S000000-L005000

- Flexible installation by means of alu profile- or mounting bracket system
- High chemical resistance
- Low weight

Code rail, polyester laminate

### Dimensions



### Technical Data

#### General specifications

Code rail height	55 mm
Total length	5000 mm
Start position	0 mm
Radius of bend	≥ 500 mm

#### Ambient conditions

Operating temperature	-40 ... 60 °C (-40 ... 140 °F)
Storage temperature	-40 ... 60 °C (-40 ... 140 °F)
Installation temperature	10 ... 60 °C (50 ... 140 °F)

#### Mechanical specifications

Material thickness	0.75 ... 0.95 mm
Tension loading	≤ 230 N
Material	polyester laminate
Thermal expansion coefficient	approx. $2.8 \times 10^{-5}$ / K
Mass	30 g / m
Manufacturing tolerance	± 1 mm/m

Release date: 2023-03-09 Date of issue: 2023-03-09 Filename: 70135037-100003\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

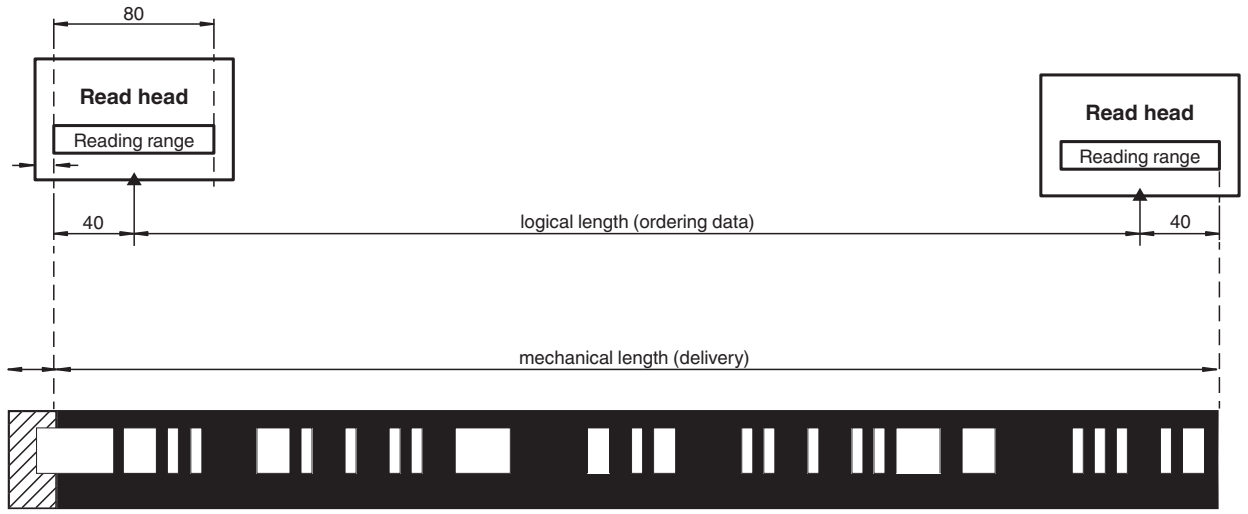
USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

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

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

**PF** PEPPERL+FUCHS

**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)	-	L	1	-	S	(2)	(2)	(2)	(2)	(2)	(2)	-	L	(3)	(3)	(3)	(3)	(3)	(3)
---	---	---	---	---	---	---	-----	---	---	---	---	---	-----	-----	-----	-----	-----	-----	---	---	-----	-----	-----	-----	-----	-----

<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>L</b>	<b>Code rail material</b>
L	Polyester-Laminat

<b>1</b>	<b>Mounting hole type</b>
1	With mounting holes

<b>S (2) (2) (2) (2) (2)</b> <b>(2)</b>	<b>Starting position</b>
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>WCS2-FT1</b>	Mounting tool to safely and quickly install the 55 mm code strip in the aluminum profile
	<b>WCS2-GT09-P1</b>	WCS2 guiding trolley

Release date: 2023-03-09 Date of issue: 2023-03-09 Filename: 70135037-100003\_eng.pdf

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

## Accessories

	<b>WCS2-LB1</b>	WCS2 locking bracket
	<b>WCS2-MC1</b>	Butt connector, aluminum
	<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