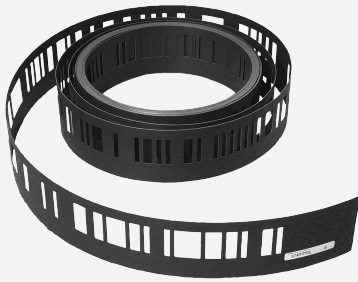


# WCS3 code rail

WCS3-CS70-L\*-S\*\*\*\*\*-L\*\*\*\*\*

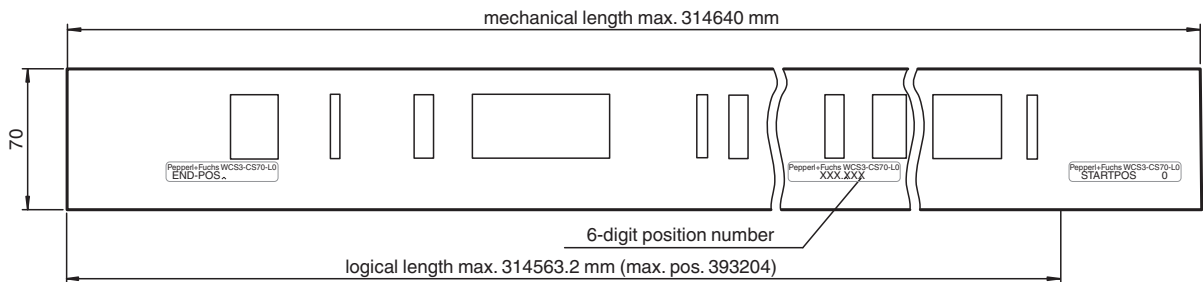


- Flexible installation by means of alu profile- or mounting bracket system
- High chemical resistance
- Low weight

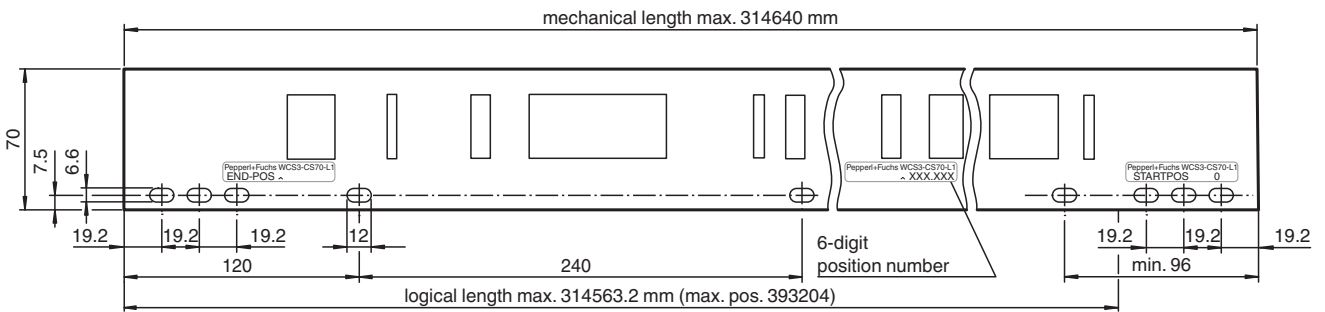
Code rail, polyester laminate

## Dimensions

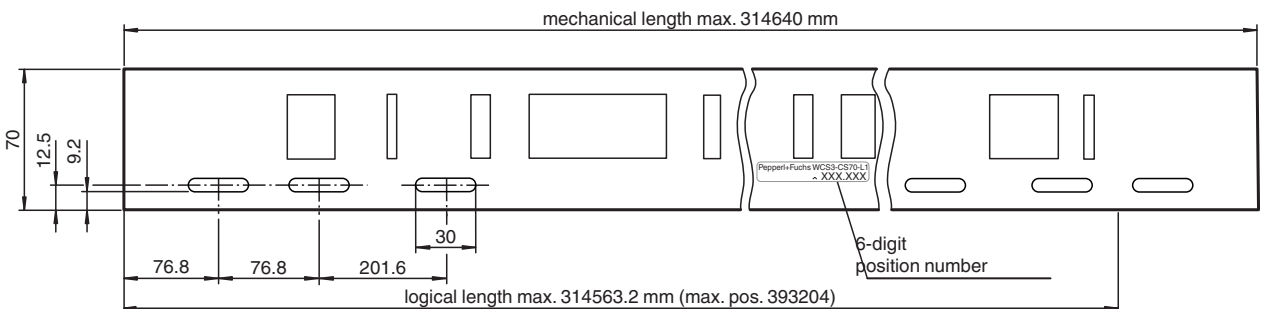
### WCS3-CS70-L0-\*



### WCS3-CS70-L1-\*



### WCS3-CS70-L2-\*



Release date: 2023-03-01 Date of issue: 2023-03-01 Filename: 70135877\_eng.pdf

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

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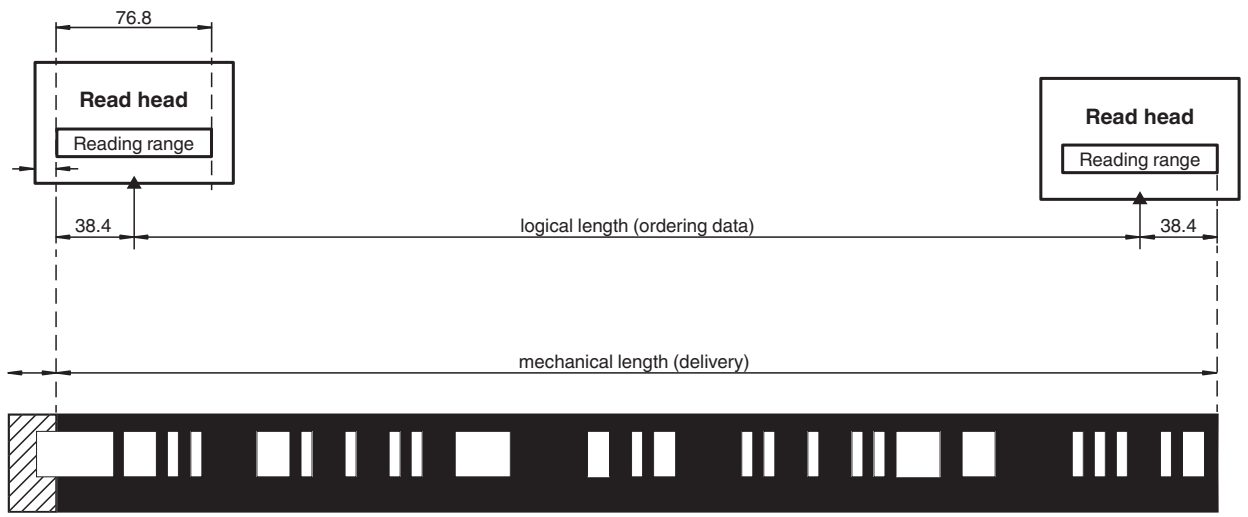
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PF** PEPPERL+FUCHS

## Technical Data

General specifications	
Code rail height	70 mm
Total length	100 ... 314563.2 mm
Start position	0 ... 314463.2 mm
Radius of bend	≥ 300 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	≤ 260 N
Material	polyester laminate
Thermal expansion coefficient	approx. 2.8 x 10 <sup>-5</sup> / K
Mass	40 g / m
Manufacturing tolerance	± 1 mm/m

## 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	3	-	C	S	70	-	L	(1)	-	S	(2)	(2)	(2)	(2)	(2)	(2)	-	L	(3)	(3)	(3)	(3)	(3)	(3)
---	---	---	---	---	---	---	----	---	---	-----	---	---	-----	-----	-----	-----	-----	-----	---	---	-----	-----	-----	-----	-----	-----

<b>WCS3</b>	<b>Read head type</b>
WCS	Position encoding system

<b>CS</b>	<b>Code rail</b>
C	Code
S	Rail
















<b>70</b>	<b>Code rail height</b>
70	Code rail height

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## Type Code

<b>L</b>	<b>Code rail material</b>
L	Polyester-Laminat
<b>(1)</b>	<b>Mounting hole type</b>
0	Without mounting holes
1	With mounting holes
2	With Vahle mounting holes
<b>S (2) (2) (2) (2) (2)</b>	<b>Starting position</b>
0 ... 314463	Starting position of the code rail in mm
<b>L (3) (3) (3) (3) (3)</b>	<b>Code rail length</b>
100 ... 314563	Length of the code rail in mm

## Accessories

	<b>WCS-MB2</b>	Mounting bracket for C profile, straight section
	<b>WCS-MB-B</b>	Mounting bracket, curve
	<b>WCS-MB1-B</b>	Fastening angle for screw connection, curve
	<b>WCS-MB2-B</b>	Mounting bracket for C profile, bend
	<b>WCS-SP2</b>	Stabilization profile
	<b>WCS-MB1</b>	Mounting bracket for bolt connection, straight
	<b>WCS3-CS70-E</b>	WCS3 code rail extender
	<b>WCS-MF1</b>	Wrist strap
	<b>WCS3-FT1</b>	Fitting tool for WCS3 aluminum profile system
	<b>WCS3-MC1</b>	Joint
	<b>WCS3-MH1</b>	WCS3 screw-on holder
	<b>WCS3-MH2</b>	WCS3 holder for C profile
	<b>WCS3-PS1-2M</b>	WCS3 profile rail
	<b>WCS2-PS1-2,5M</b>	WCS2 profile rail
	<b>WCS3-GT09-P1-O</b>	WCS3 guiding trolley for the WCS3B read head with protective enclosure, outdoor use

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 **PEPPERL+FUCHS**

## Accessories

	<b>WCS2-MH1</b>	Rail bracket with screwed connection
	<b>WCS2-MC1</b>	Butt connector, aluminum
	<b>WCS2-LB1</b>	WCS2 locking bracket
	<b>WCS2-FT1</b>	Mounting tool to safely and quickly install the 55 mm code strip in the aluminum profile