



- High chemical resistance
- Low weight
- Self-adhesive mounting
- High temperature resistance
- High mechanical stability

Data Matrix code tape

Technical drawing of the Pepperl+Fuchs PCV-AA20 sensor. The drawing shows the sensor's dimensions and barcode labels. The overall width is 25 mm. The sensor head has a width of 10 mm and a height of 7 mm. The sensor body has a width of 7 mm and a height of 10 mm. The sensor is labeled with the model number 0000.0 m PCV-AA20 and the website www.pepperl-fuchs.com. The drawing also shows the sensor's mounting bracket and the barcode labels.

General specifications

Start position		50 m
Length		54 m
Width		25 mm (2 row version)
External diameter		max. 180 mm (with max. code tape length of 100 m)
Inside diameter		76 mm (role core)
Ambient conditions		
Operating temperature		-40 ... 100 °C (-40 ... 212 °F)
Installation temperature		10 ... 40 °C (50 ... 104 °F)
Environmental resistance		UV radiation Humidity Salt spray (150 h / 5%)
Chemical resistance		Oils Grease Fuels Aliphatic solvents Weak acids
Mechanical specifications		
Material thickness		150 µm

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

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Technical Data

Material	polyester laminate
Surface	polyester , matte
Mass	6.3 g / m
Tensile strength	≥ 150 N
Manufacturing tolerance	± 1 mm/m
Adhesive	Acrylate-based adhesive ; curing 72 h
Adhesive strength	Average values (FTM2) Aluminum : 24 N / 25 mm High grade stainless steel : 25 N / 25 mm ABS : 22 N / 25 mm PP : 18 N / 25 mm HD-PE : 12 N / 25 mm LD-PE : 12 N / 25 mm
Note	Max. code tape length of 100 m per roll

Type Code

Structure of the type code (Ordering information)

P	C	V	(1)	(1)	(1)	(1)	(1)	(1)	M	-	A	A	2	0	-	(2)	(2)	(2)	(2)	(2)	(2)
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PCV	Sensor Type
PCV	Data Matrix positioning system (PCV)

(1) (1) (1) (1) (1) (1)	Length of the code tape
1 ... 010000	Total length of the code tape in m

M	Length unit
M	Meter

AA	Code type
A	Data Matrix ECC200, Symbol size 16x16
A	Absolute tape

20	Width of the code tape
20	25 mm (2 row version)

(2) (2) (2) (2) (2) (2)	Start position
0 ... 009999	Starting position of the code tape in m