Code tape
PCV*-CA10-* / PCV*-CA20-*

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

Data Matrix code tape

Dimensions

Technical Data

General specifications

Start position	0 ... 9999 m (see Order Information)
Length	1 ... 10000 m (see Order Information)
Width	15 mm (1 row version) 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

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

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Technical Data

Mechanical specifications

Material thickness	150 µm
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	-	C	A	(2)	(2)	-	(3)	(3)	(3)	(3)	(3)	(3)

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

CA	Code type
C	Data Matrix ECC200, Symbol size 12x12
A	Absolute tape

(2) (2)	Width of the code tape
20	25 mm (2 row version)
10	15 mm (1 row version)

(3) (3) (3) (3) (3) (3)	Start position
0 ... 009999	Starting position of the code tape in m

Matching System Components

	PCV100-F200-B17-V1D--6011-8203	Read head for incident light positioning system
	PCV80S-F200-SSI-V19	Read head for incident light positioning system
	PCV100I-F200-SSI-V19	Read head for incident light positioning system
	PCV80I-F200-SSI-V19	Read head for incident light positioning system
	PCV50-F200-B25-V1D	Read head for incident light positioning system
	PCV80-F200-B25-V1D	Read head for incident light positioning system

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Matching System Components

	PCV100-F200-B17-V1D-- 6011-6997	Read head for incident light positioning system
	PCV80-F200-B16-V15	Read head for incident light positioning system
	PCV100-F200-B16-V15	Read head for incident light positioning system
	PCV100-F200-B17-V1D	Read head for incident light positioning system
	PCV80-F200-B6-V15B	Read head for incident light positioning system
	PCV100-F200-B16-V15-6- 011	Read head for incident light positioning system
	PCV100-F200-B6-V15B-- 6011	Read head for incident light positioning system
	PCV50-F200-B17-V1D	Read head for incident light positioning system
	PCV100-F200-B17-V1D-- 6011	Read head for incident light positioning system
	PCV80-F200-B17-V1D	Read head for incident light positioning system
	PCV100-F200-B6-V15B	Read head for incident light positioning system
	PCV100-F200-B25-V1D-- 6011-6720	Read head for incident light positioning system
	PCV100-F200-B25-V1D-- 6011	Read head for incident light positioning system
	PCV80-F200-SSI-V19	Read head for incident light positioning system
	PCV50-F200-SSI-V19	Read head for incident light positioning system
	PCV80-F200-SSI- V19-GRAY	Read head for incident light positioning system
	PCV100-F200-SSI- V19-6011	Read head for incident light positioning system
	PCV100-F200-SSI-V19	Read head for incident light positioning system
	PCV100I-F200-R4-V19	Read head for incident light positioning system
	PCV80I-F200-R4-V19	Read head for incident light positioning system

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Matching System Components

	PCV100-F200-R4-V19	Read head for incident light positioning system
	PCV100-F200-R4-V19-60-11	Read head for incident light positioning system
	PCV80-F200-R4-V15-LS-221	Read head for incident light positioning system
	PCV100-F200-R4-V15-L-S221	Read head for incident light positioning system
	PCV80-F200-R4-V19	Read head for incident light positioning system

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