



Code tape

PCV000170M-CA20-000000

- 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 m |
| Length | 170 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 |
|--------------------|--------|

Release date: 2023-07-12 Date of issue: 2023-07-12 Filename: 299649-100213_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

 PEPPERL+FUCHS

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 | - | 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 |