



## Code tape

PXV000027M-CA25-001231

- 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            | 1231 m  |
| Length                    | 27 m  |
| Width                     | 25 mm (1 row version)                                       |
| External diameter         | max. 180 mm<br>(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<br>Humidity<br>Salt spray (150 h / 5%)         |
| Chemical resistance       | Oils<br>Grease<br>Fuels<br>Aliphatic solvents<br>Weak acids |
| Mechanical specifications |   |
| Material thickness        | 150 µm  |
| Material                  | polyester laminate  |
| Surface                   | polyester , matte   |
| Mass                      | 6.3 g / m   |

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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

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## Technical Data

|                         |  |
|-------------------------|--|
| Tensile strength        | ≥ 150 N  |
| Manufacturing tolerance | ± 1 mm/m   |
| Adhesive                | Acrylate-based adhesive ; curing 72 h  |
| Adhesive strength       | Average values (FTM2)<br>Aluminum : 24 N / 25 mm<br>High grade stainless steel : 25 N / 25 mm<br>ABS : 22 N / 25 mm<br>PP : 18 N / 25 mm<br>HD-PE : 12 N / 25 mm<br>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)

|          |          |          |     |     |     |     |     |     |          |   |          |          |          |          |   |     |     |     |     |     |     |
|----------|----------|----------|-----|-----|-----|-----|-----|-----|----------|---|----------|----------|----------|----------|---|-----|-----|-----|-----|-----|-----|
| <b>P</b> | <b>X</b> | <b>V</b> | (1) | (1) | (1) | (1) | (1) | (1) | <b>M</b> | - | <b>C</b> | <b>A</b> | <b>2</b> | <b>5</b> | - | (2) | (2) | (2) | (2) | (2) | (2) |
|----------|----------|----------|-----|-----|-----|-----|-----|-----|----------|---|----------|----------|----------|----------|---|-----|-----|-----|-----|-----|-----|

| <b>PXV</b> | <b>Sensor Type</b>                   |
|------------|--------------------------------------|
| PXV        | Data Matrix positioning system (PXV) |

| <b>(1) (1) (1) (1) (1) (1)</b> | <b>Length of the code tape</b>     |
|--------------------------------|------------------------------------|
| 1 ... 100000                   | Total length of the code tape in m |

| <b>M</b> | <b>Length unit</b> |
|----------|--------------------|
| M        | Meter              |

| <b>CA</b> | <b>Code type</b>                      |
|-----------|---------------------------------------|
| C         | Data Matrix ECC200, Symbol size 12x12 |
| A         | Absolute tape                         |

| <b>25</b> | <b>Width of the code tape</b> |
|-----------|-------------------------------|
| 25        | 25 mm                         |

| <b>(2) (2) (2) (2) (2) (2)</b> | <b>Start position</b>                   |
|--------------------------------|---|
| 0 ... 099999                   | Starting position of the code tape in m |