

# Code tape

## PXV000018M-AA25-000000



- 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            | 18 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  |
| Tensile strength        | ≥ 150 N  |
| Manufacturing tolerance | ± 1 mm/m   |
| Storage                 | Maximum 2 years under normal storage conditions. |

Release date: 2025-06-12 Date of issue: 2025-06-12 Filename: 299651-100171\_eng.pdf

## Technical Data

|                   |  |
|-------------------|--|
| 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>A</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>AA</b> | <b>Code type</b>                                  |
|-----------|---|
| A         | Data Matrix ECC200, Symbol size 16x16, multicolor |
| 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 |