



## Code tape

PXV000321M-CA25-000000

- 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            | 321 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. |
| Adhesive                | Acrylate-based adhesive ; curing 72 h            |

Release date: 2025-06-13 Date of issue: 2025-06-13 Filename: 299652-100710\_eng.pdf

## Technical Data

|                   |  |
|-------------------|--|
| 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)

|   |   |   |     |     |     |     |     |     |   |   |   |   |   |   |   |     |     |     |     |     |     |
|---|---|---|-----|-----|-----|-----|-----|-----|---|---|---|---|---|---|---|-----|-----|-----|-----|-----|-----|
| P | X | V | (1) | (1) | (1) | (1) | (1) | (1) | M | - | C | A | 2 | 5 | - | (2) | (2) | (2) | (2) | (2) | (2) |
|---|---|---|-----|-----|-----|-----|-----|-----|---|---|---|---|---|---|---|-----|-----|-----|-----|-----|-----|

| PXV | Sensor Type                          |
|-----|--------------------------------------|
| PXV | Data Matrix positioning system (PXV) |

| (1) (1) (1) (1) (1) (1) | Length of the code tape            |
|-------------------------|------------------------------------|
| 1 ... 100000            | 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                         |

| 25 | Width of the code tape |
|----|------------------------|
| 25 | 25 mm                  |

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