

# Code tape

## PXV000005M-AA25-000155



- 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            | 155 m   |
| Length                    | 5 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  |

Release date: 2023-06-27 Date of issue: 2023-06-27 Filename: 299651-100587\_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

## 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)<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 | - | A | 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       |

| AA | Code type   |
|----|---|
| A  | Data Matrix ECC200, Symbol size 16x16, multicolor |
| 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 |

## Accessories

|   |                           |                                       |
|---|---------------------------|---------------------------------------|
|  | <b>PGV25M-CD160-CLEAR</b> | Protective laminate for PGV code tape |
|  | <b>PGV25M-CD100-CLEAR</b> | Protective laminate for PGV code tape |