



## Code tape

PGV000100M-CA25-000900

- 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    | 900 m                                                |
| Length            | 100 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 |
|--------------------|--------|

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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## 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 | G | V | (1) | (1) | (1) | (1) | (1) | (1) | M | - | C | A | 2 | 5 | - | (3) | (3) | (3) | (3) | (3) | (3) |
|---|---|---|-----|-----|-----|-----|-----|-----|---|---|---|---|---|---|---|-----|-----|-----|-----|-----|-----|

| PGV | Sensor Type            |
|-----|------------------------|
| PGV | Position Guided Vision |

| (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 10x10 |
| A  | Absolute tape                         |

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

| (3) (3) (3) (3) (3) (3) | Start position                          |
|-------------------------|-----------------------------------------|
| 0 ... 009999            | Starting position of the code tape in m |

## Accessories

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