



## Code tape

PCV000120M-CA20-000100

- 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    | 100 m                                                |
| Length            | 120 m                                                |
| Width             | 25 mm (2 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 |
|--------------------|--------|

## Technical Data

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                    |
| 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>C</b> | <b>V</b> | (1) | (1) | (1) | (1) | (1) | (1) | <b>M</b> | - | <b>C</b> | <b>A</b> | (2) | (2) | - | (3) | (3) | (3) | (3) | (3) | (3) |
|----------|----------|----------|-----|-----|-----|-----|-----|-----|----------|---|----------|----------|-----|-----|---|-----|-----|-----|-----|-----|-----|

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

|                                |                                    |
|--------------------------------|------------------------------------|
| <b>(1) (1) (1) (1) (1) (1)</b> | <b>Length of the code tape</b>     |
| 1 ... 010000                   | 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>(2) (2)</b> | <b>Width of the code tape</b> |
| 20             | 25 mm (2 row version)         |
| 10             | 15 mm (1 row version)         |

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