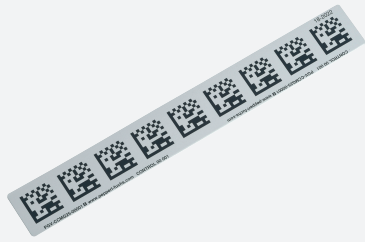


Metal control code bar PGV-CCM



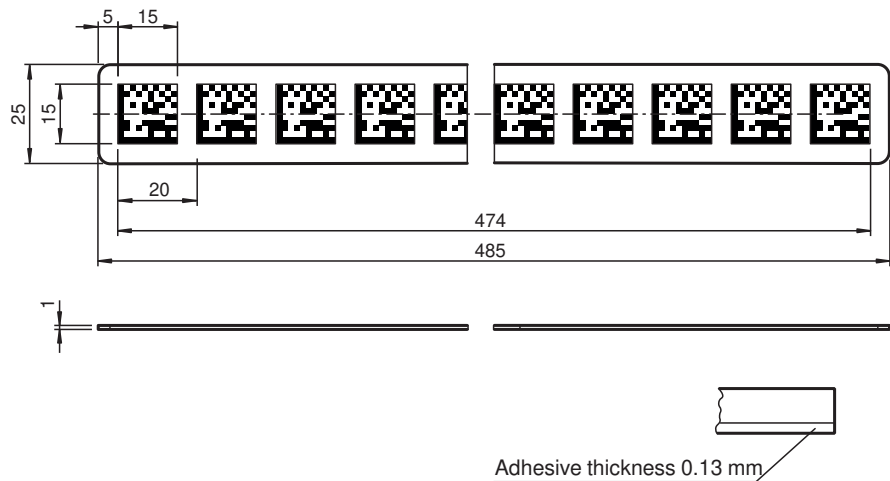
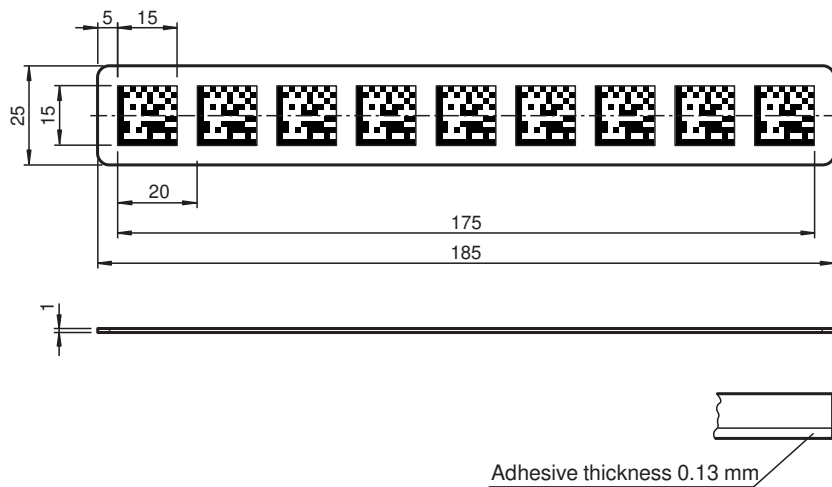
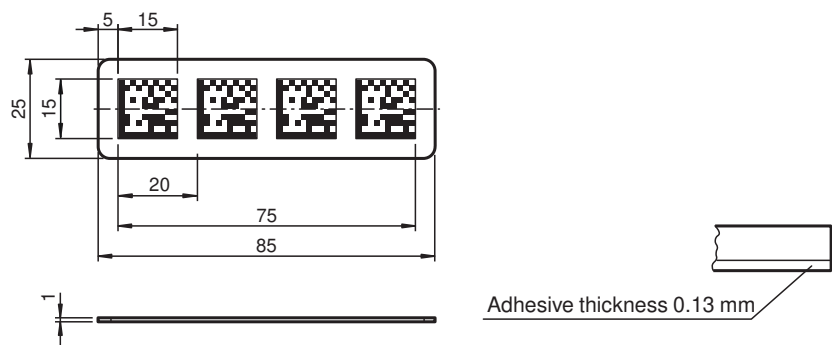
- High temperature resistance
- High mechanical stability
- Easily exchangeable
- Chemically highly resistant

Metal control code bar for PGV System

Function

Rugged Data Matrix control codes made of anodized aluminum for use on the ground in camera-based track guidance. The Data Matrix control codes are modular and available in segment nominal length of 100, 200, and 500 mm. Data Matrix control codes make it possible to generate feedback to the higher-level controller in addition to the position information from the color track. When reading a Data Matrix control codes, the read head reports back the read Data Matrix control codes number and a corresponding status flag.

Dimensions



Technical Data

General specifications

Start value	1 ... 999
Number	1 ... 999
Code bar segment	

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

Technical Data

Nominal segment length	100 mm 200 mm 500 mm
Width	25 mm
Ambient conditions	
Operating temperature	-40 ... 80 °C (-40 ... 176 °F)
Installation temperature	10 ... 40 °C (50 ... 104 °F)
Environmental resistance	UV radiation Humidity
Chemical resistance	Oils Grease Fuels Aliphatic solvents Weak acids
Mechanical specifications	
Material thickness	1 mm
Material	Aluminum
Mounting type	adhesive screwing
Mass	83 g / m
Manufacturing tolerance	± 1 mm/m
Storage	Maximum 2 years under normal storage conditions.

Mounting

Mounting Instructions for Adhesive Mounting Type

Preparing the Base Surface

1. Use clean cleaning cloths (free from lint and plasticizers) to clean the surfaces.
2. Use cleaning agents appropriate for the level of surface contamination, for example n-Heptane, ethanol, or a 50:50 mixture of isopropanol and water.
3. Clean the surface until it is completely dry and free of dust, oil, oxides, release agents, and other contaminants.
4. Ensure that the surface is dry, clean, and stable.

Adhesive Strength

Metal	Material with high-energy surfaces	Material with low-energy surfaces
33 N/25 mm	32 N/25 mm	31 N/25 mm

Material thickness: 1 mm code bar + 0.13 mm adhesive

Processing Instructions

During bonding, the pressure should be as high as possible, and the temperature should be at least +10 °C. The higher the pressure and temperature, the better the adhesive will penetrate the pores of the base surface. This allows higher adhesive strength values to be achieved.
After about 72 hours, the adhesive is cured.

Type Code

Structure of the type code

P	G	V	-	C	C	M	G	2	5	x	(1)	(1)	(1)	-	(2)	(2)	(2)	(2)	(2)	(2)	-	(3)	(3)	(3)	(3)	(3)	(3)
---	---	---	---	---	---	---	---	---	---	---	-----	-----	-----	---	-----	-----	-----	-----	-----	-----	---	-----	-----	-----	-----	-----	-----

PGV	Sensor Type
PGV	Position Guided Vision

CCMG	Code bar
C	Code type ECC200, symbol size 12x12
C	Control code
M	Metal
G	Mounting by self-adhesive back

25	Code Bar Width
25	Width of the code bar in mm

(1) (1) (1)	Nominal segment length of the code bars
100	Nominal segment length of the individual code bars in mm (see dimension drawing for actual length)
200	Nominal segment length of the individual code bars in mm (see dimension drawing for actual length)
500	Nominal segment length of the individual code bars in mm (see dimension drawing for actual length)

Type Code	
(2) (2) (2) (2) (2) (2)	Start value
1 ... 999	Start value of the control codes
(3) (3) (3) (3) (3) (3)	Quantity
1 ... 999	Number of control codes

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