Polyester code bar

PXV-AAMP30X200-*-9601



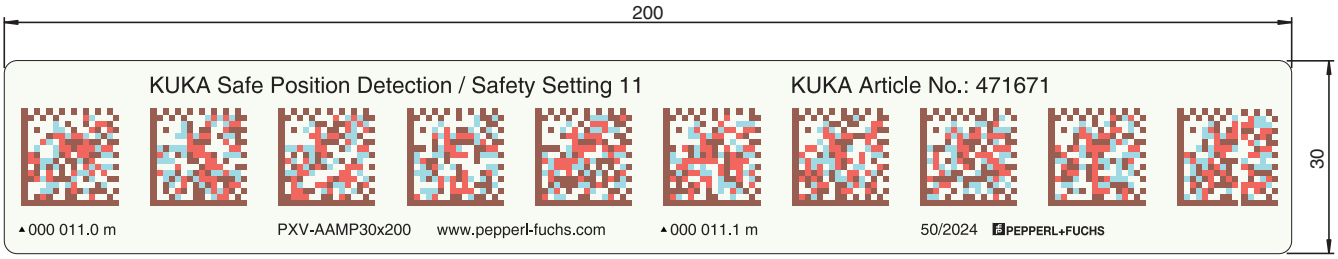
- High mechanical stability
- Easily exchangeable
- Chemically highly resistant
- 2-colored Data Matrix codes

Data Matrix polyester code bars for positioning safePXV and safePGV read heads

Function

Robust Data Matrix polyester code bars for use in the section of camera-based track guidance on the floor. The code bars are back-printed and, depending on the application, can be glued directly to the floor or glued into special carrier profile rails. The code bars are available in 200 mm lengths.

Dimensions



Technical Data

General specifications		
Start position		1 ... 999 m
Code bar segment		
Nominal segment length		200 mm
Width		30 mm
Ambient conditions		
Operating temperature		-40 ... 50 °C (-40 ... 122 °F)
Storage temperature		-40 ... 60 °C (-40 ... 140 °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		0.2 mm
Material		polyester

Release date: 2026-09-18 Date of issue: 2026-09-18 Filename: 70189428_eng.pdf

Technical Data

Mounting type	adhesive
Mass	16.2 g / m
Manufacturing tolerance	± 1 mm/m
Storage	Maximum 2 years under normal storage conditions.

Customer-Specific Information

KUKA Part Number

SAP Name	Station Number	KUKA Part Number
safe position marker ID	10	471670
	11	471671
	12	471672
	13	471673
	14	471674
	15	471675
	16	471676
	17	471677
	18	471678
	19	471679
	20	471680
	21	471681
	22	471682
	23	471683
	24	471684
	25	471685
	26	471686
	27	471687
	28	471688
	29	471689
	30	471690
	31	471691
	32	471692
	33	471693
	34	471694
	35	471695
	36	471696
	37	471697
	38	471698
	39	471699
	40	471700
	41	471701
	42	471702
	43	471703
	44	471704
	45	471705
	46	471706
	47	471707
	48	471708
	49	471709
	50	471710
	51	471711
	52	471712
	53	471713
	54	471714
	55	471715
	56	471716
	57	471717
	58	471718
	59	471719
	60	471720
	61	471721

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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: 0.2 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	X	V	-	A	A	M	P	3	0	x	2	0	0	-	(1)	(1)	(1)	(1)	(1)	(1)	-	9	6	0	1

PXV	Sensor Type
PXV	Position Extended Vision

AAM	Code bar
A	Code type ECC200, symbol size 16x16
A	Absolute code
M	Material
P	Polyester

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

200	Nominal segment length of the code bars
200	Nominal segment lengthof the individual code bar in mm

(1) (1) (1) (1) (1) (1)	Start position
1 ... 999	The station number is the integer representation of the start position of the code bar in metres. For example: If the start position on the code bar is 11.1 m, the station number is 11.

9601	Additional marking
9601	Customer identification

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