



Optical reader - safePGV

PGV100A-F200A-B28-V1D-SET

- PROFINET interface
- PROFIsafe interface
- SIL 3 (EN 61508)
- Category 4 PL e (EN ISO 13849)
- Safe, non-contact positioning on Data Matrix code tape
- Non-contact positioning on Data Matrix code tape
- Noncontact positioning with Data Matrix TAGs
- Noncontact lane tracking of a colored strip
- Reading of Data Matrix control codes



Function

The positioning system set consists of two optical read heads: the safePGV read head with PROFINET interface and integrated PROFIsafe protocol, and the PGV read head with PROFINET interface. The safePGV is designed for safe, non-contact position determination along a multi-color DataMatrix code band. The position data detected can be processed in safety-related applications and enable precise navigation of driverless transport systems (AGVs). In addition, the read head is capable of reading DataMatrix control codes. The PGV read head is used for contactless track tracking using a colored track tape and also supports position determination on a DataMatrix code band. The combination of both read heads ensures both safe and precise track guidance.

Technical Data

Interface

Protocol	PROFINET with PROFIsafe
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Operating conditions

Installation conditions

Installation instructions	At least 15 cm distance between devices required to avoid optical interference
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Kit component

	PGV100A-F200A-B28-V1D	Read head for incident light positioning system
	PGV100-F200A-B17-V1D	Read head for incident light positioning system