SMART CARD READER

Industrial & Commercial Transportation
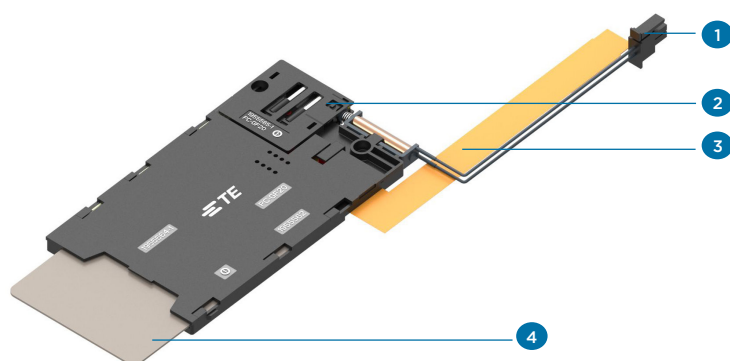
Connectivity for Safer Roads

TE Connectivity (TE) Industrial & Commercial Transportation's smart card reader is designed to work with a digital tachograph to track the number of hours a commercial vehicle operator drives, helping prevent fatigue-related accidents. The smart card reader is easy to use, tamperproof, and extremely durable.

TE's smart card reader is a rugged and economical solution for tachograph manufacturers that need a smart card reader that will last several years of heavy use. It is compact (112.2 x 61.5 x 6.05 mm), withstands high vibrations (up to 1,000 Hz), and endures severe mechanical shocks (up to 50 G). The smart card reader has a -25˚ to +80˚C working temperature, making it suitable for tachograph applications that face wide climate variations.

The smart card reader is designed for easy card insertion and utilizes an electromechanical ejector for quick and automatic card removal. It is extremely durable and supports 25,000 card insertion/removal cycles. The smart card reader's heavy-duty thermoplastic body has a flammability rating of UL 94 V0.

FEATURES

- Interconnects with a smart card according to ISO 7810 and 7816 standards
- Electromechanical ejector for easy insertion and automatic ejection
- Programmable tamperproof card locking
- Easily installs with two screws and two side latches
- Dust cover that wipes smart card to prevent contamination

Smart Card Reader

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1. TE connector 794617-2
2. Electromechanical ejector mechanism
3. Flexible PCB available in 119.05 and 99.05 mm lengths
4. Interconnects with smart card according to ISO 7810 and 7816

SPECIFICATIONS

Mechanical

Card Mating Force:	15 N max
Vibration:	up to 1,000 Hz
Mechanical Shock:	50 G
Size:	112.2 x 61.5 x 6.05 mm
Working Temperature	-25˚ to +80˚C
Insertion/Removal Cycles:	25,000

Electrical

Termination Resistance:	≤ 100 MΩ
Insulation Resistance:	$\geq 1,000$ MΩ
Dielectric Withstanding Voltage:	500 V AC; 1 min.

APPLICABLE DOCUMENTS

Product Specification:	108-64015	**Packaging Specification:**	107-64241
Application Specification:	114-94417		

ORDERING INFORMATION

Description	Part Number
Smart card reader, electromechanical ejector, 119.05 mm flexible PCB	1955562-1
Smart card reader, electromechanical ejector, 99.05 mm flexible PCB	1955562-2

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