

SMART CARD READER

Industrial & Commercial Transportation

Connectivity for Safer Roads

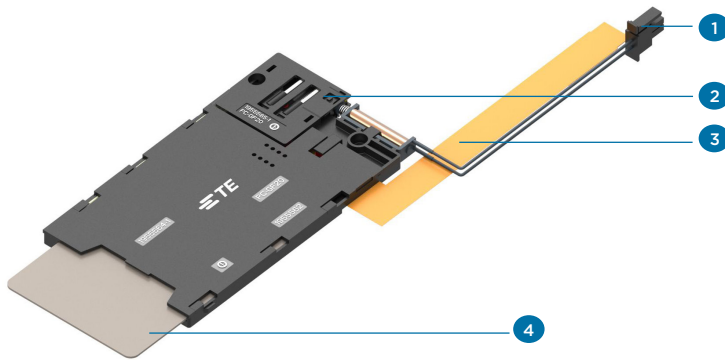
TE Connectivity (TE) Industrial & Commercial Transportation's smart card reader is designed to work with a digital tachograph to track the number of hours a commercial vehicle operator drives, helping prevent fatigue-related accidents. The smart card reader is easy to use, tamperproof, and extremely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

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: | ≥ 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 |

te.com/ict

TE Connectivity, TE Connectivity (logo) are trademarks.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2016 TE Connectivity Ltd. family of companies All Rights Reserved.

TS-ICT-SMCARD 05/16 Original

PRODUCT SHEET

TE Connectivity Industrial & Commercial Transportation

Ampèrestr. 12-14
64625 Bensheim
Germany

Tel +49 (0)6251 133-0
www.te.com