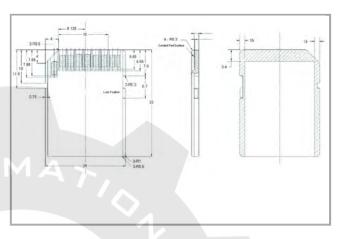
### Data sheet | Item number: 758-879/000-001

Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C



758-879/000-001





Item description

The SD memory card replaces traditional storage media and is used to store customer data and boot projects, or to transport this data between devices.

Thanks to its extended temperature range, the memory card can also be used in applications in up to 70 °C. The SLC flash technology used for this card and the wear leveling flash management process employed enhance the reliability and service life of the memory card – a vital requirement for use in industrial applications.

This memory card is compatible to the SD standard, enabling it to be used in any data processing system equipped with an SD slot.

The industrial memory card has the following system features:

- Storage capacity: 2 GB
- Single-Level Cell (SLC) NAND flash memory for enhanced service life and reliability
- Compatible to the SDA Physical Layer Specification, Version 2.0
- Error correction function: < 1 error per 10<sup>15</sup> bits READ
- Statistical & dynamic wear leveling for enhancing reliability and availability
- Supports CPRM (Content Protection for Recordable Media)

## Data sheet | Item number: 758-879/000-001

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### Data

### **Technical Data**

Baud rate	-
Memory	2 GB
Write/Read cycles max.	17 MB/s / 20 MB/s
MTBF	4,000,000 hrs.
Service life	> 2,000,000 program/operating cycles

### **Geometrical Data**

Width		4 mm	
Height from upper-edge of DIN-35 rail	1700	2 mm	
Depth		1 mm	

### **Material Data**

Weight	5 g	
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# **Environmental Requirements**

Surrounding air (operating) temperature	-45 90 °C
Surrounding air (storage) temperature	-65 150 °C
Relative air humidity (no condensation)	95%
Vibration resistance	15g
Shock resistance	50g (operating), 1000g (not operating)

### Commercial data

Country of origin	НК	
GTIN	4050821007616	
Customs Tariff No.	85235110000	

# Approvals / Certificates

## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
ABS:	ABS American Bureau of Shipping	-	19- HG1821926
AND PROVIDED AND PROPERTY.	DNV GL	-	TAA0000194

## Data sheet | Item number: 758-879/000-001

758-879/000-001



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Subject to changes.