

## 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  $10^{15}$  bits READ
- Statistical & dynamic wear leveling for enhancing reliability and availability
- Supports CPRM (Content Protection for Recordable Media)

## 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	24 mm
Height from upper-edge of DIN-35 rail	32 mm
Depth	2.1 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	HK
GTIN	4050821007616
Customs Tariff No.	85235110000

### Approvals / Certificates

#### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	19- HG1821926
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAA0000194

	GL Germanischer Lloyd	-	11 631 - 10 HH
	LR Lloyds Register	-	02/20026 (E5)
	NK Nippon Kaiji Kyokai	-	TA17255M
	RINA RINA Germany GmbH	-	ELE134212XG

## Downloads Documentation

### Bid Text

758-879/000-001 Zubehör 758	Apr 4, 2012	doc 20.0 kB	Download
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### Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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Subject to changes.