

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

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

<https://www.wago.com/758-879/000-001>

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 10¹⁵ bits READ
- Statistical & dynamic wear leveling for enhancing reliability and availability
- Supports CPRM (Content Protection for Recordable Media)

Technical data

Memory	2 GB (SLC)
Write/read cycles (max.)	17 MB/s / 20 MB/s
MTBF	4,000,000 h
Service life	per Cell: 100.000 write cycles

Physical data

Width	24 mm
Height	32 mm
Depth	2.1 mm

Material data

Fire load	0 MJ
Weight	5 g

Environmental requirements

Ambient temperature (operation)	-40 ... +90 °C
Surrounding air temperature (storage)	-40 ... +90 °C
Relative humidity (without condensation)	95 %
Vibration resistance	15g
Shock resistance	50g

Approvals and certificates

Country specific Approvals



Approval	Standard	Certificate name
EAC Brjansker Zertifizierungs- stelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19

Ship Approvals



Approval	Standard	Certificate name
ABS American Bureau of Ship- ping	-	22-2219060
BV Bureau Veritas S.A.	-	30389/B1 BV
DNV DNV Germany GmbH	DNV-CG-0339, Aug.2021	TAA0000194
LR Lloyds Register EMEA	-	02/20026 (E6)
NK Nippon Kaiji Kyokai	-	TA17255M

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com



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