

## Data sheet SM 322 (322-1BL00-S)

### Technical data

<b>Order no.</b>	<b>322-1BL00-S</b>
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Type	SM 322
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### General information

Note	-
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Features	32x DO, in groups of 8 DC 24 V 1 A Safe shutdown according to EN ISO 13849-1 to category 3 PLd For 40 pole front connector
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SPEED-Bus	-
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### Current consumption/power loss

Current consumption from backplane bus	90 mA
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Power loss	6 W
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### Technical data digital outputs

Number of outputs	32
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Cable length, shielded	1000 m
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Cable length, unshielded	600 m
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Rated load voltage	DC 24 V
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Current consumption from load voltage L+ (without load)	110 mA
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Total current per group, horizontal configuration, 40°C	2.5 A
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Total current per group, horizontal configuration, 60°C	2.5 A
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Total current per group, vertical configuration	2.5 A
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Output current at signal "1", rated value	1 A
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Signal logic output	Sourcing output
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Output delay of "0" to "1"	150 µs
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Output delay of "1" to "0"	100 µs
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Minimum load current	-
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Lamp load	5 W
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Parallel switching of outputs for redundant control of a load	possible (only outputs group)
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Parallel switching of outputs for increased power	not possible
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Actuation of digital input	yes
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Switching frequency with resistive load	max. 1000 Hz
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Switching frequency with inductive load	max. 0.5 Hz
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Switching frequency on lamp load	max. 1 Hz
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Internal limitation of inductive shut-off voltage	L+ (-45 V)
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Short-circuit protection of output	yes, electronic
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Trigger level	1.5 A
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Number of operating cycle of relay outputs	-
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Switching capacity of contacts	-
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Output data size	4 Byte
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### Status information, alarms, diagnostics

Status display	green LED per channel
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Interrupts	no
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Process alarm	no
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Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	none
Supply voltage display	green LED per group
Group error display	red SF LED
Channel error display	none

## Isolation

Between channels	yes
Between channels of groups to	8
Between channels and backplane bus	yes
Insulation tested with	DC 500 V

## Datasizes

Input bytes	0
Output bytes	4
Parameter bytes	0
Diagnostic bytes	0

## Housing

Material	PPE
Mounting	Rail System 300

## Mechanical data

Dimensions (WxHxD)	40 mm x 125 mm x 120 mm
Net weight	225 g
Weight including accessories	235 g
Gross weight	265 g

## Environmental conditions

Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C

## Certifications

UL certification	yes
KC certification	yes