

**Data sheet**  
**SM 322 (322-1BF01)**
**Technical data**

<b>Order no.</b>	<b>322-1BF01</b>
Type	SM 322
<b>General information</b>	
Note	-
Features	8x DO, in groups of 4 DC 24 V 2 A For 20 pole front connector
SPEED-Bus	-
<b>Current consumption/power loss</b>	
Current consumption from backplane bus	65 mA
Power loss	7.5 W
<b>Technical data digital outputs</b>	
Number of outputs	8
Cable length, shielded	1000 m
Cable length, unshielded	600 m
Rated load voltage	DC 24 V
Current consumption from load voltage L+ (without load)	68 mA
Total current per group, horizontal configuration, 40°C	8 A
Total current per group, horizontal configuration, 60°C	8 A
Total current per group, vertical configuration	8 A
Output current at signal "1", rated value	2 A
Signal logic output	Sourcing output
Output delay of "0" to "1"	150 µs
Output delay of "1" to "0"	100 µs
Minimum load current	-
Lamp load	10 W
Parallel switching of outputs for redundant control of a load	possible (only outputs group)
Parallel switching of outputs for increased power	possible (only outputs group)
Actuation of digital input	yes
Switching frequency with resistive load	max. 1000 Hz
Switching frequency with inductive load	max. 0.5 Hz
Switching frequency on lamp load	max. 10 Hz
Internal limitation of inductive shut-off voltage	L+ (-52 V)
Short-circuit protection of output	yes, electronic
Trigger level	3 A
Number of operating cycle of relay outputs	-
Switching capacity of contacts	-
Output data size	1 Byte
<b>Status information, alarms, diagnostics</b>	
Status display	green LED per channel
Interrupts	no

Process alarm	no
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	4
Between channels and backplane bus	yes
Insulation tested with	DC 500 V

### Datasizes

Input bytes	0
Output bytes	1
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	240 g
Weight including accessories	-
Gross weight	-

### Environmental conditions

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

### Certifications

UL certification	yes
KC certification	yes