

**Data sheet**  
**SM 322S - SPEED-Bus (322-1BH70)**
**Technical data**

<b>Order no.</b>	<b>322-1BH70</b>
Type	SM 322S - SPEED-Bus
<b>General information</b>	
Note	-
Features	16x fast DO SPEED-Bus DC 24 V 0.5 A 100 kHz For 20 pole front connector
SPEED-Bus	yes
<b>Current consumption/power loss</b>	
Current consumption from backplane bus	390 mA
Power loss	5 W
<b>Technical data digital outputs</b>	
Number of outputs	16
Cable length, shielded	1000 m
Cable length, unshielded	600 m
Rated load voltage	DC 24 V
Current consumption from load voltage L+ (without load)	30 mA
Total current per group, horizontal configuration, 40°C	4 A
Total current per group, horizontal configuration, 60°C	4 A
Total current per group, vertical configuration	4 A
Output current at signal "1", rated value	0.5 A
Output delay of "0" to "1"	6.12 µs
Output delay of "1" to "0"	6.12 µs
Minimum load current	-
Lamp load	5 W
Parallel switching of outputs for redundant control of a load	not possible
Parallel switching of outputs for increased power	not possible
Actuation of digital input	yes
Switching frequency with resistive load	max. 100 kHz
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	1 A
Number of operating cycle of relay outputs	-
Switching capacity of contacts	-
Output data size	2 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	8
Between channels and backplane bus	yes
Insulation tested with	DC 500 V

**Datasizes**

Input bytes	0
Output bytes	2
Parameter bytes	0
Diagnostic bytes	0

**Housing**

Material	PPE
Mounting	DIN rail SPEED-Bus

**Mechanical data**

Dimensions (WxHxD)	40 mm x 125 mm x 120 mm
Net weight	200 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	-