Data sheet
SM 322 (322-1HH00)

Technical data

Order no.	322-1HH00
Type	SM 322
General information	
Note	-
Features	16 relay outputs, in groups of 8 AC 230 V/ DC 30 V Contact rating per channel 5 A
SPEED-Bus	-
Current consumption/power loss	
Current consumption from backplane bus	80 mA
Power loss	4 W
Technical data digital outputs	
Number of outputs	16
Cable length, shielded	1000 m
Cable length, unshielded	600 m
Rated load voltage	DC 30 V/ AC 230 V
Current consumption from load voltage L+ (without load)	-
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	5 A
Output delay of "0" to "1"	10 ms
Output delay of "1" to "0"	5 ms
Minimum load current	-
Lamp load	6 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	✔
Switching frequency with resistive load	max. 10 Hz
Switching frequency with inductive load	max. 0.5 Hz
Switching frequency on lamp load	max. 1 Hz
Internal limitation of inductive shut-off voltage	-
Short-circuit protection of output	-
Trigger level	-
Number of operating cycle of relay outputs	-
Switching capacity of contacts	5 A
Output data size	2 Byte
Status information, alarms, diagnostics	
Status display	green LED per channel
Interrupts	no
Process alarm	no

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Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	none
Supply voltage display	none
Group error display	none
Channel error display	none

Isolation

Between channels	✔
Between channels of groups to	8
Between channels and backplane bus	✔
Insulation tested with	AC 1500 V

Datasizes

Input bytes	0
Output bytes	2
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
Weight	290 g

Environmental conditions

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

Certifications

UL508 certification	yes

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