

Data sheet

SM 222 (222-1DB00)

Technical data

Order no.	222-1DB00
Type	SM 222
General information	
Note	-
Features	2 outputs AC 100...240 V Output current 2 A Software dimmer for resistive, inductive or capacitive load Frequency range 47...63 Hz
Current consumption/power loss	
Current consumption from backplane bus	190 mA
Power loss	6 W
Technical data digital outputs	
Number of outputs	2
Cable length, shielded	1000 m
Cable length, unshielded	600 m
Rated load voltage	AC 100...240 V
Current consumption from load voltage L+ (without load)	15 mA
Total current per group, horizontal configuration, 40°C	4 A
Total current per group, horizontal configuration, 60°C	3 A
Total current per group, vertical configuration	4 A
Output current at signal "1", rated value	2 A
Output delay of "0" to "1"	max. 1 AC cycle
Output delay of "1" to "0"	max. 1 AC cycle
Minimum load current	-
Lamp load	460 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	-
Switching frequency with inductive load	-
Switching frequency on lamp load	-
Internal limitation of inductive shut-off voltage	-
Short-circuit protection of output	yes, electronic
Trigger level	4 A
Number of operating cycle of relay outputs	-
Switching capacity of contacts	-
Output data size	4 Byte
Status information, alarms, diagnostics	
Status display	none
Interrupts	no
Process alarm	no

Diagnostic interrupt	yes, parameterizable
Diagnostic functions	no
Diagnostics information read-out	possible
Supply voltage display	green LED per group
Group error display	red SF LED
Channel error display	none

Isolation

Between channels	-
Between channels of groups to	-
Between channels and backplane bus	yes
Insulation tested with	DC 4000 V

Datasizes

Input bytes	0
Output bytes	4
Parameter bytes	17
Diagnostic bytes	10

Housing

Material	PPE / PA 6.6
Mounting	Profile rail 35 mm

Mechanical data

Dimensions (WxHxD)	25.4 mm x 76 mm x 88 mm
Weight	70 g

Environmental conditions

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

Certifications

UL certification	-
KC certification	-