

## Data sheet

SM 022 - Digital output (022-1HB10)

## Technical data

Order no.	022-1HB10
Туре	SM 022 - Digital output
Module ID	0109 AF90
General information	
Note	
Features	2x DO DC 30 V AC 230 V 3 A Potential separated per channel Relay
Current consumption/power loss	
Current consumption from backplane bus	120 mA
Power loss	0.7 W
Technical data digital outputs	
Number of outputs	2
Cable length, shielded	1000 m
Cable length, unshielded	600 m
Rated load voltage	DC 30 V/ AC 230 V
Permitted range	-
Current consumption from power section supply (without load)	-
Total current per group, horizontal configuration, 40°C	3 A
Total current per group, horizontal configuration, 60°C	3 A
Total current per group, vertical configuration	3 A
Output current at signal "1", rated value	3 A
Signal logic output	Isolated
Output delay of "0" to "1"	10 ms
Output delay of "1" to "0"	5 ms
Minimum load current	-
Lamp load	-
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. 0.33 Hz
Switching frequency with inductive load	max. 0.33 Hz
Switching frequency on lamp load	max. 0.33 Hz
Internal limitation of inductive shut-off voltage	-
Short-circuit protection of output	-
Trigger level	-
Number of operating cycle of relay outputs	Ť.
Switching capacity of contacts	3 A
Output data size	2 Bit
Status information, alarms, diagnostics	
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
Group error display	red LED
Channel error display	none
Isolation	
Between channels	yes
Between channels of groups to	
Between channels and backplane bus	yes
Insulation tested with	AC 2200 V
PWM data	
PWM channels	
PWM time basis	-
Period length	-
Minimum pulse width	-
Type of output	-
Datasizes	
Input bytes	0
Output bytes	1
Parameter bytes	0
Diagnostic bytes	0
Housing	
Material	PPE / PPE GF10
Mounting	Profile rail 35 mm
Mechanical data	
Dimensions (WxHxD)	12.9 mm x 109 mm x 76.5 mm
Net weight	62 g
Weight including accessories	62 g
Gross weight	76 g
Environmental conditions	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Certifications	
UL certification	yes
KC certification	yes
UKCA certification	yes
ChinaRoHS certification	yes