

Data sheet SM 022 - Digital output (022-1BH00)

Technical data

Order no.	022-1BH00
Туре	SM 022 - Digital output
Module ID	0124 2F50
General information	
Note	-
Features	16x DO DC 24 V 0.5 A
Current consumption/power loss	
Current consumption from backplane bus	35 mA
Power loss	1 W
Technical data digital outputs	
Number of outputs	16
Cable length, shielded	1000 m
Cable length, unshielded	600 m
Rated load voltage	DC 20.428.8 V
Current consumption from load voltage L+ (without load)	20 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	0.5 A
Signal logic output	Sourcing output
Output delay of "0" to "1"	30 µs
Output delay of "1" to "0"	175 µs
Minimum load current	-
Lamp load	10 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. 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+ (-45 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	16 Bit
Status information, alarms, diagnostics	
Status display	green LED per channel
Interrupts	yes, parameterizable
Process alarm	no
Diagnostic interrupt	yes, parameterizable

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Two channels-Two channels-Test pulse length-Circuit monitoring-Datasizes0Dutput bytes0Output bytes2Parameter bytes1Diagnostic bytes20HousingPPE / PPE GF10MaterialPPE / PPE GF10MountingProfile rail 35 mmMechanical data12.9 mm x 109 mm x 76.5 mmNet weight60 g	Diagnostic functions	yes, parameterizable
Group error display red LED Channel error display none Isolation - Between channels of groups to - Between channels and backplane bus yes Insulation tested with DC 600 V PWM data - PWM the basis - Period length - Minimum pulse width - Safety - Safety roupinerents - Safety roupinerents - Safety roupinerents - Yao channels - Valchabagine - DataSizes - Valchogine - Safety roupinerents - Safety roupinerents - Safety roupinerents - Valchodig - Two channels - Two channels - DataSizes - Duput bytes 0 Output bytes 0 Duput bytes 0 Duput bytes	Diagnostics information read-out	none
Channel error display none Isolation . Between channels of groups to . Between channels and backplane bus yes Insulation tested with DC 500 V PWM data . PWM the basis . Period length . Period length . Period length . Safety . Safety protocol . Safety protocol . Safety protocol . Safety protocol . Valchdog . Too channels . Valchdog . Too channels . Datasizes . Input bytes 0 Output bytes 2 Datasizes . Input bytes 0 Output bytes 2 Diagnosito bytes 2 Diagnosito bytes 2 Diagnosito bytes 0.g Weight including accessories 60	Supply voltage display	green LED
Isolation - Between channels of groups to - Between channels of groups to - Between channels and backplane bus yes Insulation tested with DC 500 V PWM data - PWM channels - PWM channels - PWM channels - PWM the basis - Profe dength - Minimum pulse width - Type of output - Safety - Safety requirements - Soccur sear adres - Type channels - Type channels - Dataszes - Input bytes 0	Group error display	red LED
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	KC certification	in preparation