

## Data sheet

SM 022 (022-1BF00)

## Technical data

Type SM 022  Module ID 0106 AFC8  General Information  Note	Order no.	022-1BF00
Seneral information	Туре	SM 022
Note - 8 outputs 8 outputs Output current 0.5 A  Current consumption/power loss  Current consumption from backplane bus 80 mA  Power loss 0.7 W  Technical data digital outputs  Number of outputs 8 8  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) 15 mA  Total current per group, horizontal configuration, 40°C 4 A  Total current per group, vertical configuration, 60°C 4 A  Total current signal "1", rated value 0.5 A  Output delay of "0" to "1" 30 µs  Output delay of "0" to "1" 30 µs  Output delay of "0" to "1" 175 µs  Minimum load current - 1  Lamp load 100 outputs for redundant control of a load 100 W  Parallel switching of outputs for redundant control of a load not possible naturation of digital input yos  Switching frequency with resistive load max. 1000 Hz  Switching frequency with resistive load max. 1000 Hz  Switching frequency with resistive load max. 10 Hz  Internal limitation of inductive shut-off voltage L+ (-45 V)  Short-circuit protection of output yes, electronic Trigger lovel 1 A  Number of operating cycle of relay outputs - 5  Switching frequency with resistive of redundants outputs - 5  Switching capacity of contacts - 5  Output data size 8 B Bit  Status display green LED per channel Interrupts no	Module ID	0106 AFC8
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Interrupts no Process alarm no		green LED per channel
Process alarm no		
Diagnostic interrupt no	· · · · · · · · · · · · · · · · · · ·	
	Diagnostic interrupt	no



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Diagnostic functions	110
Diagnostics information read-out	none
Supply voltage display	green LED
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 500 V
PWM data	
PWM channels	-
PWM time basis	
Period length	
Minimum pulse width	
Type of output	
Safety	
Safety protocol	-
Safety requirements	•
Secure user address	-
Watchdog	-
Two channels	-
Test pulse length	-
Circuit monitoring	-
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
Weight	60 g
Environmental conditions	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Certifications	
UL certification	yes
KC certification	yes