

Data sheet SM 022 (022-1DF00)

## Technical data

71	M 022
fodule ID 0	
	113 2F48
General information	
lote -	
0	outputs output current 0.5 A iagnosis of wiríng errors
Current consumption/power loss	
Current consumption from backplane bus 65	5 mA
Power loss 1	W
echnical data digital outputs	
lumber of outputs 8	
Cable length, shielded 10	000 m
Cable length, unshielded 60	00 m
Rated load voltage D	OC 20.428.8 V
Current consumption from load voltage L+ (without load)	1 mA
otal current per group, horizontal configuration, 40°C 4	A
otal current per group, horizontal configuration, 60°C 4	A
otal current per group, vertical configuration 4	A
Output current at signal "1", rated value 0.	.5 A
Output delay of "0" to "1" m	nax. 350 µs
Output delay of "1" to "0" m	nax. 350 µs
finimum load current -	
amp load 10	0 W
Parallel switching of outputs for redundant control of a load no	ot possible
Parallel switching of outputs for increased power no	ot possible
ctuation of digital input	/
Switching frequency with resistive load m	nax. 1000 Hz
switching frequency with inductive load m	nax. 0.5 Hz
witching frequency on lamp load m	nax. 10 Hz
nternal limitation of inductive shut-off voltage	+ (-52 V)
Short-circuit protection of output ye	es, electronic
rigger level 1	A
lumber of operating cycle of relay outputs -	
witching capacity of contacts -	
Output data size 8	Bit
Status information, alarms, diagnostics	
Status display gr	reen LED per channel
nterrupts	es, parameterizable
Process alarm no	0



		A YASKAWA COMPANY
Diagnostic interrupt	yes, parameterizable	A TASKAWA COMFANT
Diagnostic functions	yes	
Diagnostics information read-out	possible	
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	✓	
Insulation tested with	DC 500 V	
PWM data		
PWM channels	-	
PWM time basis	-	
Period length	-	
Minimum pulse width	-	
PtP communication	-	
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	7	
Diagnostic bytes	20	
Housing		
Material	PPE / PPE GF10	
Mounting	Profile rail 35 mm	
Mechanical data		
Dimensions (WxHxD)	12.9 mm x 109 mm x 76.5 mi	m
Weight	60 g	
Environmental conditions		
Operating temperature	0 °C to 60 °C	
Storage temperature	-25 °C to 70 °C	
	23 0 10 10 0	
Certifications	da	
UL508 certification	in preparation	