

## Data sheet

SM 022 (022-1BB90)

## Technical data

Order no.	022-1BB90
Туре	SM 022
Module ID	0901 4880
General information	
Note	-
Features	2x DO DC 24 V 0.5 A PWM till 40 kHz
Current consumption/power loss	
Current consumption from backplane bus	105 mA
Power loss	0.95 W
Technical data digital outputs	
Number of outputs	2
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	1 A
Total current per group, horizontal configuration, 60°C	1 A
Total current per group, vertical configuration	1 A
Output current at signal "1", rated value	0.5 A
Signal logic output	Sourcing output
Output delay of "0" to "1"	max. 100 ns
Output delay of "1" to "0"	max. 100 ns
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. 40 kHz
Switching frequency with inductive load	max. 40 kHz
Switching frequency on lamp load	max. 40 kHz
Internal limitation of inductive shut-off voltage	L+ (-52 V)
Short-circuit protection of output	yes, electronic, and only highside
Trigger level	2.5 A
Number of operating cycle of relay outputs	-
Switching capacity of contacts	-
Output data size	12 Byte
Status information, alarms, diagnostics	
Status display	green LED per channel
Interrupts	no
Process alarm	no

## **YASKAWA**

no	
no	
possible	
green LED	
red LED	
none	
-	
-	
ves	
·	
20000	
2	
20.83ns	
12008388607 * time base	
1 µs	
Push pull / highside	
-	
-	
-	
-	
-	
-	
-	
4	
12	
12	
20	
PPE / PPE GF10	
Profile rail 35 mm	
12.9 mm x 109 mm x 76.5 mm	
61 g	
75 ~	
75 g	
75 9	
0 °C to 60 °C	
0 °C to 60 °C	
0 °C to 60 °C	
	no possible green LED red LED none  yes DC 500 V  2 20.83ns 12008388607 * time base 1 µs Push pull / highside