

Data sheet FM 050 (050-1BB40)

Technical data

Order no.	050-1BB40
Туре	FM 050
Module ID	0881 2880
General information	
Note	-
Features	2 channels 24 Bit DC 24 V
Current consumption/power loss	
Current consumption from backplane bus	35 mA
Power loss	0.5 W
Technical data digital inputs	
Number of inputs	2
Cable length, shielded	100 m
Cable length, unshielded	-
Rated load voltage	DC 20.428.8 V
Reverse polarity protection of rated load voltage	-
Current consumption from load voltage L+ (without load)	5 mA
Rated value	DC 20.428.8 V
Input voltage for signal "0"	DC 05 V
Input voltage for signal "1"	DC 1528.8 V
Input voltage hysteresis	-
Frequency range	-
Input resistance	-
Input current for signal "1"	3 mA
Connection of Two-Wire-BEROs possible	yes
Max. permissible BERO quiescent current	0.5 mA
Input delay of "0" to "1"	0.8 µs
Input delay of "1" to "0"	0.8 µs
Number of simultaneously utilizable inputs horizontal configuration	2
Number of simultaneously utilizable inputs vertical configuration	2
Input characteristic curve	IEC 61131-2, type 1
Initial data size	20 Byte
Technical data digital outputs	
Number of outputs	-
Cable length, shielded	-
Cable length, unshielded	-
Rated load voltage	-
Current consumption from load voltage L+ (without load)	-
Output delay of "0" to "1"	-



Minimum load current - Lang load - Parallel winking of outputs for increased power - Actuation of digital input - Switching frequency with relative load - Switching frequency with inductive load - Switching approxite load of collatos - Switching approxite load of collatos - Output data size 12 Byte Technical data counters 2 Number of counters 2 Counter with 600 H42 Maximum input frequency 600 H42 Maximum input frequency 900 H42 Mode puck of relation - Mode puck of relation - Mode puck of relation	Output delay of "1" to "0"	_ A YASKAWA COMPANY
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Max. potential difference between Mana and Mintern (Olso)	Max. potential difference between Mana and Mintern (Uiso)	-



Max. potential difference between inputs and Mana (Ucm)		A YASKAWA COMPANY
Max. potential difference between inputs and Mintern (Uiso)		
Max. potential difference between Mintern and outputs	-	
Insulation tested with	DC 500 V	
Datasizes		
Input bytes	20	
Output bytes	12	
Parameter bytes	8	
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 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	