

Data sheet FM 050 (050-1BB30)

Technical data

Order no.	050-1BB30
Туре	FM 050
Module ID	08C4 388B
General information	
Note	-
Features	2 Counter 32 Bit (AB) DC 24 V
Current consumption/power loss	
Current consumption from backplane bus	75 mA
Power loss	0.9 W
Technical data digital inputs	
Number of inputs	4
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)	15 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	4
Number of simultaneously utilizable inputs vertical configuration	4
Input characteristic curve	IEC 61131-2, type 1
Initial data size	12 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 - Lamp load - Parallel switching of outputs for increased powor - Actuation of digital input - Switching frequency with inductive load - Switching requency with inductive load - Trigger level - Number of operating cycle of relaxy outputs - Switching requency 4 Byte Technical data counters 2 Cururer with 32 Bit Maximum input frequency 100 kHz Maximum input frequency 400 kHz Mode pulse - Mode frequency counter - Mod	Output delay of "1" to "0"	- A YASKAWA COMPANY
Parallel switching of outputs for increased power - Actuation of digital input - Switching frequency with resistive load - Switching frequency on lamp load - Internal initiation of inductive study ontage - Short-circuit protection of output - Tringer leval - Number of operating cycle of relay outputs - Switching requency by computs - Switching requency 4 Bytee Technical data counters 2 Counter with 32 Bit Maximum input frequency 100 MHz Maximum ownt frequency 400 Mz Mode pulse - Mode pulse - Mode pulse - Mode pulse - Mode frequency counter - Mode pulse - Mode pulse - Currer output available - Lath input available -	Minimum load current	
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	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	12	
Output bytes	4	
Parameter bytes	12	
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	