

Data sheet FM 050 (050-1BB40)

Technical data

Order no.	050-1BB40
Туре	FM 050
Module ID	0881 2880
General information	
Note	-
Features	Frequency measurement 2x Counter 24 Bit (AB), DC 24 V Up to 600 kHz
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	-
Signal logic input	-
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"	-
Output delay of "1" to "0"	

## YASKAWA

Lamp load-Parallel switching of outputs for increased power-Parallel switching of outputs for increased power-Switching frequency with inductive load-Switching frequency with inductive load-Switching frequency on tamp load-Switching frequency on tamp load-Shitching capacity of contacts-Output data size2Counter with2Maximum input frequency600 kHzMaximum frequency600 kHzMode pulse-Mode pulse-Mode pulse-Mode pulse-Mode pulse-Mode pulse-Statisting available-Counter with available-Statisting available-Statisting available-Counter output available-Statisting available-Statisting available-Statisting available-Statisting available-Statisting available-Statisting available-Statisting available-Statisting available-Statisting available-Statistin	Minimum load current	
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Switching frequency with resistive load-Switching frequency with resistive load-Switching frequency on lamp load-Internal initiation of inductive stu-off voltage-Shot-circuit protection of output-Trigger level-Number of operating cycle of relay outputs-Syltching capacity of contacts-Output data size12 ByteTechnical data counters2Counter with48 BitMaximum input frequency600 kHzMode pulse-Mode pulse-Mode pulse / direction-Mode pulse / direction-Status site/ByyesStatus site/ByyesStatus information, alarms, diagnostics-Status formation, alarms, diagnostics-Status direction-No provention-Status site/ByyesInterruptsnoDiagnostic information, alarms, diagnostics-Status display-Diagnostic information read-out-Diagnostic information read-out<	Parallel switching of outputs for increased power	-
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	Max. potential difference between inputs and Mintern (Uiso)	

## **YASKAWA**

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
Net weight	55 g
Weight including accessories	55 g
Gross weight	70 g
Environmental conditions	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Certifications	
UL certification	yes
KC certification	yes

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