

Data sheet

FM 050 - Counter module (050-1BB00)

Technical data

Order no.	050-1BB00
Туре	FM 050 - Counter module
Module ID	08C3 380A
General information	
Note	-
Features	2x Counter 32 Bit (AB), DC 24 V Up to 400 kHz
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	-
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	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"	-
Output delay of "1" to "0"	-
Minimum load current	-

YASKAWA

Parallel switching of outputs for redundant control of a load - Parallel switching of outputs for increased power - Actuation of digital input - Switching frequency with resistive load - Switching frequency on item load - Switching frequency of inductive shut-off voltage - Switching capacity of contacts - Switching capacity of contacts - Switching capacity of contacts - 12 Byte - 12		
Parallel switching of outputs for increased power - Actuation of digital input - Switching frequency with resistive load - Switching frequency with resistive load - Switching frequency on lamp load - Internal limitation of inductive shut-off voltage - Short-circuit protection of output - Trigger level - Number of operating cycle of relay outputs - Switching capacity of contacts - Quiptuf data size - 12 Byte - Switching capacity of contacts - Quiptuf data size - 12 Byte - Switching capacity of contacts - Quiptuf data size - 12 Byte - Switching capacity of contacts - Quiptuf data size - 12 Byte - Switching capacity of contacts - Quiptuf data size - 12 Byte - Switching capacity of contacts - Quiptuf data size - 12 Byte - Switching capacity of contacts - Quiptuf data size - Quiptuf data counters - Quiptuf data counter frequency - 400 kHz - Quiptuf data counter frequency - 400 kHz - Quiptuf data counter frequency - 400 kHz - Quiptuf data counter - Quiptuf data counter - Quiptuf direction - Quiptuf data counter - Quiptu	Lamp load	-
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Insulation tested with	DC 500 V
Datasizes	
Input bytes	12
Output bytes	12
Parameter bytes	45
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	58 g
Weight including accessories	58 g
Gross weight	73 g
Environmental conditions	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Certifications	
UL certification	yes
KC certification	yes
UKCA certification	yes
ChinaRoHS certification	yes