

Data sheet

FM 050 (050-1BB40)

Technical data

Type FM 060 Module ID 0881 2880 General information Note - Features 2 channels 24 Bt 02 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, shielded 0. Rated load voltage DC 20428.8 V Reverse polarity protection of rated load voltage 5 mA Rated value DC 20428.8 V Input voltage for signal 1°0 DC 155V Input voltage for signal 1°1 DC 1528.8 V Input voltage for signal 1°1 3 mA Input voltage for signal 1°1 3 mA Romeron of Signal 1°1 3 mA Connection of Two-Wire-BEROS possible yes Max. permissible BEROQ quiescent current 0.8 mA Input delay of 1°0 1°1 1°1 0.8 mA Input delay of 1°0 1°1 1°1 0.8 mA I	Order no.	050-1BB40
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Technical data digital outputs Number of outputs Cable length, shielded Cable length, unshielded Cable length, unshielded Catle length, unshielded Catle length, unshielded Catle length, unshielded Catle length, unshielded	Number of simultaneously utilizable inputs vertical configuration	2
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Number of outputs - Cable length, shielded - Cable length, unshielded - Cable length, unshielded - Cable length, unshielded - Current consumption from load voltage L+ (without load)	Initial data size	20 Byte
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Cable length, unshielded - Rated load voltage - Current consumption from load voltage L+ (without load) -		-
Rated load voltage - Current consumption from load voltage L+ (without load) -		-
Current consumption from load voltage L+ (without load) -		-
		-
	Output delay of "0" to "1"	-

YASKAWA VIPA CONTROLS

Output delay of "1" to "0"	-
Minimum load current	•
Lamp load	-
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 with inductive 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	-
Output data size	12 Byte
Technical data counters	
Number of counters	2
Counter width	24 Bit
Maximum input frequency	600 kHz
Maximum count frequency	600 kHz
Mode incremental encoder	-
Mode pulse / direction	-
Mode pulse	-
Mode frequency counter	yes
Mode period measurement	yes
Gate input available	-
Latch input available	-
Reset input available	-
Counter output available	-
Status information players diagnostics	
Status information, alarms, diagnostics Status display	Voc
	yes
Interrupts	no
Process alarm	no
Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	possible
Module state	green LED
Module error display	red LED
Channel error display	none
Isolation	
Between channels	-
Between channels of groups to	-
Between channels and backplane bus	yes
Between channels and power supply	-
Max. potential difference between circuits	-
Max. potential difference between inputs (Ucm)	
Max. potential difference between Mana and Mintern (Uiso)	<u> </u>
wax. potential unference between Maria and Mintern (UISO)	-



Max. potential difference between inputs and Mana (Ucm)	-
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
Net weight	60 g
Weight including accessories	-
Gross weight	-
Environmental conditions	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Certifications	
UL certification	yes
KC certification	yes