

Data sheet

SM 032 (032-1BB40)

Technical data

Type	Order no.	032-1BB40
Current consumption/power loss 2 outputs 12Bit Current consumption/power loss 80 mA	Туре	SM 032
Note	Module ID	0502 25D8
Note		
Features 2 outputs 12Bit Current 0(4)20 mA Current consumption/power loss Current consumption from backplane bus 80 mA Power loss 0.8 W Technical data analog outputs Number of outputs 2 Cable length, shielded 200 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) - Voltage output short-circuit protection - Max. capacitive load (current range) - Max. inductive load (current range) - Max. inductive load (current range) - Destruction limit against external applied voltage - Current outputs yes Max. in load resistance (current range) 350 hm Max. inductive load (current range) 350 hm Max. inductive load (current range) 10 mH Typ. open circuit voltage current output 12 V Output current ranges 0 - Operational limit of current politic load 0 - Settling time for ohnic load 0 - Settling time for ohnic load 0 - Settling time for ohnic load 0 - Settling time for inductive load 1.5 ms	General information	
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Settling time for capacitive load - Settling time for inductive load 1.5 ms Resolution in bit 12 Conversion time 2 ms all channels Substitute value can be applied no	Destruction limit against external applied voltage	max. 12V (30V for 1s)
Settling time for inductive load 1.5 ms Resolution in bit 12 Conversion time 2 ms all channels Substitute value can be applied no	Settling time for ohmic load	0.25 ms
Resolution in bit 12 Conversion time 2 ms all channels Substitute value can be applied no	Settling time for capacitive load	-
Conversion time 2 ms all channels Substitute value can be applied no	Settling time for inductive load	1.5 ms
Substitute value can be applied no	Resolution in bit	12
	Conversion time	2 ms all channels
Output data size 4 Byte	Substitute value can be applied	no
	Output data size	4 Byte



Status information, alarms, diagnostics	
Status display	yes
Interrupts	no
Process alarm	no
Diagnostic interrupt	no
Diagnostic functions	yes
Diagnostics information read-out	possible
Supply voltage display	green LED
Group error display	red LED
Channel error display	red LED per channel
Isolation	
Between channels	-
Between channels of groups to	-
Between channels and backplane bus	yes
Between channels and power supply	yes
Max. potential difference between circuits	-
Max. potential difference between inputs (Ucm)	-
Max. potential difference between Mana and Mintern (Uiso)	DC 75 V/ AC 50 V
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	0
Output bytes	4
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
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