SIEMENS

Data sheet

6ED1055-1CB10-0BA2



LOGO! DM16 24 expansion module, PS/I/O: 24 V DC/24 V DC/trans., 8 DI/8 DO, 4 MW for LOGO! 8

Mounting on 35 mm DIN rail, 4 spacing units wide Stupply voltage	Installation type/mounting		
Rated value (DC) Yes • 24 V DC Yes permissible range, upper limit (DC) 28.8 V Digital inputs 8 Input voltage DC • Type of fight voltage DC • for signal '0" < 5 V DC	Mounting	on 35 mm DIN rail, 4 spacing units wide	
• 24 V DC Yes permissible range, lower limit (DC) 20.4 V permissible range, upper limit (DC) 28.8 V Digital inputs 8 Number of digital inputs 8 Input voltage DC • Type of input voltage DC • for signal "0" < 5 V DC	Supply voltage		
permissible range, lower limit (DC) 20.4 V permissible range, upper limit (DC) 28.8 V Digital inputs 8 Number of digital inputs 8 Input voltage DC • for signal "0" < 5 V DC	Rated value (DC)		
permissible range, upper limit (DC) 28.8 V Pigital inputs 8 Number of digital inputs 8 Input voltage DC • Type of input voltage DC • for signal "0" < 5 V DC	• 24 V DC	Yes	
Digital inputs 8 Number of digital inputs 8 Input voltage DC • Type of input voltage DC • for signal "0" < 5 V DC	permissible range, lower limit (DC)	20.4 V	
Number of digital inputs 8 Input voltage DC • for signal "0" < 5 V DC	permissible range, upper limit (DC)	28.8 V	
Input voltage DC • Type of input voltage DC • for signal "0" < 5 V DC	Digital inputs		
• Type of input voltage DC • for signal "0" < 5 V DC	Number of digital inputs	8	
• for signal "0" < 5 V DC	Input voltage		
• for signal "1" > 12 V DC Input current 0.85 mA • for signal "1", typ. 2 mA Input delay (for rated value of input voltage) 7 max. for standard inputs - at "0" to "1", max. - at "0" to "1", max. 1.5 ms - at "1" to "0", max. 1.5 ms - at "1" to "0", max. 1.5 ms - at "1" to "0", max. 1.5 ms Objital outputs 8 Number of digital outputs 8 Short-circuit protection Yes Output current 0.3 A Parallel switching of two outputs 0.3 A e for signal "1" rated value 0.3 A Parallel switching of two outputs • • for uprating No Switching frequency • • with resistive load, max. 0.5 Hz Emission of radio interference acc. to EN 55 011 • • Limit class B, for use in residential areas Yes Degree and class of protection IP20 Standards, approvals, certificates Yes CE mark Yes CSA approval Yes	 Type of input voltage 	DC	
Input current • for signal "0", max. (permissible quiescent current) 0.85 mA • for signal "1", typ. 2 mA Input delay (for rated value of input voltage) 6 for standard inputs 1.5 ms	 for signal "0" 	< 5 V DC	
• for signal "0", max. (permissible quiescent current) 0.85 mA • for signal "1", typ. 2 mA Input delay (for rated value of input voltage) for standard inputs - at "0" to "1", max. 1.5 ms - at "1" to "0", max. 1.5 ms - at "1" to "0", max. 1.5 ms - at "1" to "0", max. 1.5 ms Digital outputs 8 Number of digital outputs 8 Short-circuit protection Yes Output current 0.3 A • for signal "1" rated value 0.3 A Parallel switching of two outputs • • for uprating No Switching frequency • • with inductive load, max. 0.5 Hz EMC Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Yes Degree and class of protection IP20 Standards, approvals, certificates Yes CE mark Yes CE mark Yes CSA approval Yes	• for signal "1"	> 12 V DC	
 for signal "1", typ. 2 mA Input delay (for rated value of input voltage) for standard inputs at "0" to "1", max. 1.5 ms at "1" to "0", max. 1.5 ms Digital outputs 8 Short-circuit protection Yes Output current for signal "1" rated value 0.3 A Parallel switching of two outputs for uprating No Switching frequency with resistive load, max. 0.5 Hz Emission of radio interference acc. to EN 55 011 Limit class B, for use in residential areas Yes Degree and class of protection IP20 Standards, approvals, certificates CE mark	Input current		
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Digital outputs 8 Number of digital outputs 8 Short-circuit protection Yes Output current 0.3 A Parallel switching of two outputs 0.3 A • for uprating No Switching frequency 0.10 Hz • with resistive load, max. 10 Hz • with inductive load, max. 0.5 Hz EMC Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Yes Degree and class of protection IP20 Standards, approvals, certificates CE mark CE mark Yes UL approval Yes			
Number of digital outputs 8 Short-circuit protection Yes Output current 0.3 A Parallel switching of two outputs 0.3 A Parallel switching of two outputs 0.3 A Switching frequency No Switching frequency No with resistive load, max. 10 Hz with inductive load, max. 0.5 Hz EMC Emission of radio interference acc. to EN 55 011 Limit class B, for use in residential areas Yes Degree and class of protection IP20 Standards, approvals, certificates Yes CE mark Yes UL approval Yes	— at "1" to "0", max.	1.5 ms	
Short-circuit protection Yes Output current 0.3 A Parallel switching of two outputs 0.3 A Parallel switching of two outputs 0.5 A • for uprating No Switching frequency 0.5 Hz • with resistive load, max. 0.5 Hz EMC Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Yes Degree and class of protection IP20 Standards, approvals, certificates CE mark CE mark Yes UL approval Yes	Digital outputs		
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• for signal "1" rated value 0.3 A Parallel switching of two outputs • • for uprating No Switching frequency • • with resistive load, max. 10 Hz • with inductive load, max. 0.5 Hz EMC Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Yes Degree and class of protection IP 20 Standards, approvals, certificates Yes CE mark Yes CE mark Yes UL approval Yes	Short-circuit protection	Yes	
Parallel switching of two outputs• for upratingNoSwitching frequency10 Hz• with resistive load, max.10 Hz• with inductive load, max.0.5 HzEMCEmission of radio interference acc. to EN 55 011• Limit class B, for use in residential areasYesDegree and class of protectionIP degree of protectionIP20Standards, approvals, certificatesCE markYesCSA approvalYesUL approvalYes	Output current		
• for uprating No Switching frequency 10 Hz • with resistive load, max. 10 Hz • with inductive load, max. 0.5 Hz EMC Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Yes Degree and class of protection IP20 Standards, approvals, certificates Yes CE mark Yes CSA approval Yes UL approval Yes	 for signal "1" rated value 	0.3 A	
Switching frequency• with resistive load, max.10 Hz• with inductive load, max.0.5 HzEMCEmission of radio interference acc. to EN 55 011• Limit class B, for use in residential areasYesDegree and class of protectionIP degree of protectionIP20Standards, approvals, certificatesCE markYesCE markYesCSA approvalYesUL approvalYes			
• with resistive load, max.10 Hz• with inductive load, max.0.5 HzEMCEmission of radio interference acc. to EN 55 011• Limit class B, for use in residential areasYesDegree and class of protectionIP degree of protectionIP20Standards, approvals, certificatesCE markYesCE markYesUL approvalYesUL approvalYes		No	
 with inductive load, max. 0.5 Hz EMC Emission of radio interference acc. to EN 55 011 Limit class B, for use in residential areas Yes Degree and class of protection IP degree of protection IP20 Standards, approvals, certificates CE mark Yes CSA approval Yes UL approval Yes 	Switching frequency		
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Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Yes Degree and class of protection IP20 IP degree of protection IP20 Standards, approvals, certificates Yes CE mark Yes CSA approval Yes UL approval Yes	with inductive load, max.	0.5 Hz	
• Limit class B, for use in residential areas Yes Degree and class of protection IP20 IP degree of protection IP20 Standards, approvals, certificates Yes CE mark Yes CSA approval Yes UL approval Yes	EMC		
Degree and class of protection IP20 IP degree of protection IP20 Standards, approvals, certificates CE mark CE mark Yes CSA approval Yes UL approval Yes	Emission of radio interference acc. to EN 55 011		
IP degree of protection IP20 Standards, approvals, certificates Yes CE mark Yes CSA approval Yes UL approval Yes	 Limit class B, for use in residential areas 	Yes	
Standards, approvals, certificates CE mark Yes CSA approval Yes UL approval Yes	Degree and class of protection		
CE markYesCSA approvalYesUL approvalYes	IP degree of protection	IP20	
CSA approvalYesUL approvalYes	Standards, approvals, certificates		
UL approval Yes	CE mark	Yes	
	CSA approval	Yes	
FM approval Yes	UL approval	Yes	
	FM approval	Yes	

developed in accordance with IEC 61131	Yes
according to VDE 0631	Yes
Marine approval	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C; ES03 and higher: -20 °C
• max.	55 °C
Dimensions	
Width	71.5 mm
Height	90 mm
Depth	58 mm
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last modified:

3/12/2021 🖸