6ED1055-1HB00-0BA2

Data sheet



LOGO! DM8 24R expansion module, PS/I/O: 24V/24V/relay, 2 MW 4 DI/4 DO, AC/DC/NPN input for LOGO! 8

Mounting Supply voltage	Installation type/mounting		
Rated value (DC) • 24 V DC permissible range, lower limit (DC) permissible range, upper limit (DC) Rated value (AC) • 24 V AC Line frequency • permissible range, lower limit • permissible range, lower limit 47 Hz • permissible range, upper limit • for signal inputs • Type of input voltage • Type of rispal "0" • for signal "1" • for signal "1", yp. • for signal "1", input delay (for rated value of input voltage) for standard inputs — at "1" to "0", max. — at "1" to "0", max. — at "1" to "0", max. — at "1" to "0", max. • at "1" to "0", max. 15 ms Digital outputs Number of digital outputs Switching capacity of the outputs • on lamp load, max. • on lamp load, max. 1 000 W Output current • for signal "1" rated value • for signal "1" minimum load current • for uprating No Switching frequency • with resistive load, max. 2 Hz	Mounting	on 35 mm DIN rail, 2 spacing units wide	
• 24 V DC permissible range, lower limit (DC) permissible range, upper limit (DC) 28.8 V Rated value (AC) • 24 V AC Ves Line frequency • permissible range, lower limit • permissible range, upper limit 63 Hz Digital inputs Number of digital inputs Input voltage • Type of input voltage • for signal "0" • for signal "0" • for signal "1" • 712 V AC/DC Input current • for signal "0", max. (permissible quiescent current) • for signal "1", typ. 2.63 mA Input delay (for rated value of input voltage) for standard inputs — at "0" to "1", max. — at "1" to "0", max. Digital outputs Number of digital outputs Short-circuit protection No Controlling a digital input • on almp load, max. 1 000 W Output current • for signal "1" rated value • with resistive load, max.	Supply voltage		
permissible range, lower limit (DC) permissible range, upper limit (DC) Rated value (AC)	Rated value (DC)		
permissible range, upper limit (DC) Rated value (AC) • 24 V AC Line frequency • permissible range, lower limit • permissible range, lower limit • permissible range, upper limit • for signal row • Type of input voltage • Type of input voltage • Type of input voltage • for signal "0" • for signal "1" • for signal "1" • for signal "1", typ. 1.1 mA • for signal "1", typ. 2.63 mA Input delay (for rated value of input voltage) for standard inputs — at "0" to "1", max. — at "1" to "0", max. 1.5 ms — at "1" to "0", max. 15 ms Digital outputs Number of digital outputs \$ 4; Relays Short-circuit protection No Controlling a digital input • on lamp load, max. • on lamp load, max. 1 000 W Output current • for signal "1" rated value • for signal "1" rated value • for signal "1" riminimum load current • for signal "1" minimum load current • for signal "1" minimum load current • for or signal "1" minimum load current • for uprating No Switching frequency • with resistive load, max. 2 Hz	• 24 V DC	Yes	
Rated value (AC) • 24 V AC Line frequency • permissible range, lower limit • permissible range, upper limit 17 Hz • permissible range, upper limit 83 Hz Pojatal inputs Number of digital inputs Input voltage • Type of input voltage Input current • for signal "1", typ. 1.1 mA • 1.5 ms — at "0" to "1", max. — at "1" to "0", max. 1.5 ms Digital outputs Number of digital outputs Number of digital outputs No Controlling a digital input Yes Switching capacity of the outputs • on lamp load, max. Output current • for signal "1" rated value • for signal "1" minimum load current • for signal "1" minimum load current • for signal "1" minimum load current • for uprating No Switching frequency • with resistive load, max. 2 Hz	permissible range, lower limit (DC)	20.4 V	
• 24 V AC Line frequency • permissible range, lower limit • permissible range, upper limit • permissible range, upper limit • permissible range, upper limit • 33 Hz Digital inputs Number of digital inputs Input voltage • Type of input voltage • for signal "0" • 5 V AC/DC • for signal "1" • 12 V AC/DC Input current • for signal "0", max. (permissible quiescent current) • for signal "1", typ. 2.63 mA Input delay (for rated value of input voltage) for standard inputs - at "0" to "1", max at "1" to "0", max. Digital outputs Number of digital outputs Short-circuit protection No Controlling a digital input • on lamp load, max. 1 000 W Output current • for signal "4" rated value • for signal "4" rated value • for signal "4" rated value • for signal "4" minimum load current • for or uptling • for uptling • for uptling • for signal "4" minimum load current • for or uptling • for uptling • with resistive load, max. 2 Hz	permissible range, upper limit (DC)	28.8 V	
Line frequency • permissible range, lower limit • permissible range, upper limit 5 permissible range, upper limit 63 Hz Digital inputs Number of digital inputs 4 Input voltage • Type of input voltage • for signal "0" • (5 V AC/DC • for signal "0" • for signal "0", max. (permissible quiescent current) • for signal "0", max. (permissible quiescent current) • for signal "0", max. (permissible quiescent current) • for signal "1", typ. 2.63 mA Input delay (for rated value of input voltage) for standard inputs - at "0" to "1", max at "1" to "0", max. 15 ms Digital outputs Number of digital outputs 4; Relays Short-circuit protection No Controlling a digital input • for signal input • yes Switching capacity of the outputs • on lamp load, max. 1 000 W Output current • for signal "1" rated value • for signal "4" rated value • for signal "4" minimum load current • for signal "4" minimum load current • for outputing • with resistive load, max. 2 Hz	Rated value (AC)		
permissible range, lower limit permissible range, upper limit plital inputs Number of digital inputs AC/DC Type of input voltage Type of input voltage Type of signal "0" To risignal "1" To risignal "0" To risignal "1" To risignal "0" To risignal "1" T	• 24 V AC	Yes	
permissible range, upper limit pigital inputs Number of digital inputs AC/DC Type of input voltage of ro signal "0" for signal "0" of ro signal "1" for signal "0", max. (permissible quiescent current) of ro signal "1", typ. Input delay (for rated value of input voltage) for standard inputs - at "0" to "1", max at "1" to "0", max. To "0", max. Is ms Short-circuit protection Controlling a digital input on lamp load, max. Output current of or signal "1" rated value of or signal "1" rated value of or signal "1" rated value of or uprating No Switching frequency owth resistive load, max. A lamble of digual of two utputs of or uprating No Switching frequency owth resistive load, max. A lamble of digual of two utputs of or uprating No Switching frequency owth resistive load, max. A lamble of digual of two utputs of or uprating No Switching frequency owth resistive load, max. A lamble of digual of two utputs of or uprating No Switching frequency owth resistive load, max. A lamble of digual of two utputs of or uprating No Switching frequency owth resistive load, max. A lamble of digual of two utputs of or uprating No Switching frequency owth resistive load, max. A lamble of digual of two uprating No Switching frequency owth resistive load, max. A lamble of A lamble of two uprating No Switching frequency owthere in the current of two uprating of two uniques owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owthere is very concept of the current of two uprating owth	Line frequency		
Digital inputs A	 permissible range, lower limit 	47 Hz	
Number of digital inputs Input voltage Type of or signal "0" Type of or signal "1" Type Type	 permissible range, upper limit 	63 Hz	
Input voltage Type of input voltage Type of signal "0" So V AC/DC For signal "1" Input current For signal "0", max. (permissible quiescent current) For signal "1", typ. To signal "1", typ. Input delay (for rated value of input voltage) For standard inputs - at "0" to "1", max. - at "1" to "0", max. Is ms Digital outputs Number of digital outputs Short-circuit protection No Controlling a digital input Switching capacity of the outputs on lamp load, max. I 000 W Output current For signal "1" rated value For signal "1" rated value For signal "1" rated voluputs For uprating No Switching frequency With resistive load, max. 2 Hz	Digital inputs		
Type of input voltage for signal "0"	Number of digital inputs	4	
• for signal "0"			
• for signal "1"	Type of input voltage	AC/DC	
Input current • for signal "0", max. (permissible quiescent current) • for signal "1", typ. 2.63 mA Input delay (for rated value of input voltage) for standard inputs at "0" to "1", max at "1" to "0", max. 1.5 ms Digital outputs Number of digital outputs Short-circuit protection Controlling a digital input Switching capacity of the outputs • on lamp load, max. Output current • for signal "1" rated value • for signal "1" minimum load current Parallel switching of two outputs • for uprating No Switching frequency • with resistive load, max. 2 Hz	• for signal "0"	< 5 V AC/DC	
• for signal "0", max. (permissible quiescent current) • for signal "1", typ. 2.63 mA Input delay (for rated value of input voltage) for standard inputs — at "0" to "1", max. — at "1" to "0", max. — at "1" to "0", max. Is ms Digital outputs Number of digital outputs Short-circuit protection No Controlling a digital input Switching capacity of the outputs • on lamp load, max. Output current • for signal "1" rated value • for signal "1" minimum load current Parallel switching of two outputs • for uprating No Switching frequency • with resistive load, max. 2 Hz	• for signal "1"	> 12 V AC/DC	
for signal "1", typ. Input delay (for rated value of input voltage) for standard inputs — at "0" to "1", max. — at "1" to "0", max. — at "1" to "0", max. Digital outputs Number of digital outputs Short-circuit protection No Controlling a digital input Yes Switching capacity of the outputs on lamp load, max. Output current for signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs of or uprating No Switching frequency with resistive load, max. 2 Hz	Input current		
Input delay (for rated value of input voltage) for standard inputs — at "0" to "1", max. — at "1" to "0", max. 1.5 ms Digital outputs Number of digital outputs Short-circuit protection No Controlling a digital input Yes Switching capacity of the outputs on lamp load, max. 1 000 W Output current for signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs of or uprating No Switching frequency with resistive load, max. 2 Hz	for signal "0", max. (permissible quiescent current)	1.1 mA	
for standard inputs	● for signal "1", typ.	2.63 mA	
- at "0" to "1", max at "1" to "0", max. Digital outputs Number of digital outputs Short-circuit protection Controlling a digital input Switching capacity of the outputs on lamp load, max. 1 000 W Output current for signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs of or uprating No Switching frequency with resistive load, max. 1 2 Hz	Input delay (for rated value of input voltage)		
Digital outputs Number of digital outputs 4; Relays Short-circuit protection No Controlling a digital input Switching capacity of the outputs on lamp load, max. 1 000 W Output current for signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs of or uprating No Switching frequency with resistive load, max. 2 Hz	·		
Number of digital outputs Number of digital outputs Short-circuit protection No Controlling a digital input Yes Switching capacity of the outputs on lamp load, max. 1 000 W Output current of or signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs of or uprating No Switching frequency with resistive load, max. 2 Hz		1.5 ms	
Number of digital outputs Short-circuit protection No Controlling a digital input Yes Switching capacity of the outputs on lamp load, max. 1 000 W Output current for signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs of or uprating No Switching frequency with resistive load, max. 2 Hz	— at "1" to "0", max.	15 ms	
Short-circuit protection Controlling a digital input Switching capacity of the outputs on lamp load, max. 1 000 W Output current for signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs for uprating No Switching frequency with resistive load, max. 2 Hz	Digital outputs		
Controlling a digital input Switching capacity of the outputs on lamp load, max. 1 000 W Output current of or signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs of or uprating No Switching frequency with resistive load, max. Yes Yes Yes No W 1 000 W 1 000 W Down A Parallel switching of two outputs A Down A No Switching frequency with resistive load, max. 2 Hz	Number of digital outputs	4; Relays	
Switching capacity of the outputs on lamp load, max. 1 000 W Output current of or signal "1" rated value of or signal "1" minimum load current 100 mA Parallel switching of two outputs of or uprating No Switching frequency with resistive load, max. 2 Hz	Short-circuit protection	No	
on lamp load, max. Output current for signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs for uprating Switching frequency with resistive load, max. 1 000 W 5 A 1000 W No No A A B No Switching frequency With resistive load, max. 2 Hz	Controlling a digital input	Yes	
Output current • for signal "1" rated value • for signal "1" minimum load current 100 mA Parallel switching of two outputs • for uprating No Switching frequency • with resistive load, max. 2 Hz	Switching capacity of the outputs		
for signal "1" rated value	● on lamp load, max.	1 000 W	
 for signal "1" minimum load current Parallel switching of two outputs for uprating No Switching frequency with resistive load, max. 2 Hz 	Output current		
Parallel switching of two outputs • for uprating No Switching frequency • with resistive load, max. 2 Hz	•	5 A	
 for uprating Switching frequency with resistive load, max. 2 Hz 		100 mA	
Switching frequency • with resistive load, max. 2 Hz	Parallel switching of two outputs		
• with resistive load, max. 2 Hz		No	
	Switching frequency		
• with inductive load, max. 0.5 Hz	 with resistive load, max. 	2 Hz	
	 with inductive load, max. 	0.5 Hz	

• mechanical, max.	10 Hz
Relay outputs	
Switching capacity of contacts	
— with inductive load, max.	3 A
— with resistive load, max.	5 A
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
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	35.5 mm
Height	90 mm
Depth	58 mm
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