6ED1055-1FB00-0BA2

Data sheet



LOGO! DM8 230R expansion module, PS/I/O: 230V/230V/relay, 2 MW, 4 DI/4 DO for LOGO! 8 $\,$

Installation type/mounting	
Mounting	on 35 mm DIN rail, 2 spacing units wide
Supply voltage	
Rated value (DC)	
• 115 V DC	Yes
• 230 V DC	Yes
permissible range, lower limit (DC)	100 V
permissible range, upper limit (DC)	253 V
Rated value (AC)	
• 115 V AC	Yes
• 230 V AC	Yes
Line frequency	
 permissible range, lower limit 	47 Hz
permissible range, upper limit	63 Hz
Digital inputs	
Number of digital inputs	4
Input voltage	
 Type of input voltage 	AC/DC
● for signal "0"	< 40 V AC, < 30 V DC
• for signal "1"	> 79 V AC, > 79 V DC
Input current	
for signal "0", max. (permissible quiescent current)	0.06 mA; 0.05 mA with AC, 0.06 mA with DC
● for signal "1", typ.	0.13 mA
Input delay (for rated value of input voltage)	
for standard inputs	
·	
— at "0" to "1", max.	40 ms
— at "0" to "1", max. — at "1" to "0", max.	40 ms 75 ms
— at "0" to "1", max.	
— at "0" to "1", max. — at "1" to "0", max.	
— at "0" to "1", max. — at "1" to "0", max. Digital outputs Number of digital outputs Short-circuit protection	75 ms 4; Relays No
— at "0" to "1", max. — at "1" to "0", max. Digital outputs Number of digital outputs Short-circuit protection Controlling a digital input	75 ms 4; Relays
— 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	75 ms 4; Relays No Yes
— 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.	75 ms 4; Relays No
— 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. Output current	75 ms 4; Relays No Yes 1 000 W; 500 W at 115V AC
— 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. Output current • for signal "1" rated value	75 ms 4; Relays No Yes 1 000 W; 500 W at 115V AC
— 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. Output current for signal "1" rated value for signal "1" minimum load current	75 ms 4; Relays No Yes 1 000 W; 500 W at 115V AC
— 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. Output current for signal "1" rated value for signal "1" minimum load current Parallel switching of two outputs	75 ms 4; Relays No Yes 1 000 W; 500 W at 115V AC 5 A 100 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. Output current for signal "1" rated value for signal "1" minimum load current	75 ms 4; Relays No Yes 1 000 W; 500 W at 115V AC

 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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