SIEMENS

Data sheet

6ED1055-1FB00-0BA2



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 "1" to "0", max.	75 ms
Digital outputs	
Number of digital outputs	4; Relays
Short-circuit protection	No
Controlling a digital input	Yes
Switching capacity of the outputs	
 on lamp load, max. 	1 000 W; 500 W at 115V AC
Output current	
 for signal "1" rated value 	5 A
 for signal "1" minimum load current 	100 mA
Parallel switching of two outputs	

• for uprating	No
Switching frequency	
 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
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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