SIEMENS

Data sheet

6ED1055-1HB00-0BA2



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

Installation type/mounting		
Mounting	on 35 mm DIN rail, 2 spacing units wide	
Supply voltage		
Rated value (DC)		
• 24 V DC	Yes	
permissible range, lower limit (DC)	20.4 V	
permissible range, upper limit (DC)	28.8 V	
Rated value (AC)		
• 24 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"	< 5 V AC/DC	
• for signal "1"	> 12 V AC/DC	
Input current		
• for signal "0", max. (permissible quiescent current)	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.	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	Yes	
Switching capacity of the outputs		
 on lamp load, max. 	1 000 W	
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
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
Ecological footprint	
 environmental product declaration 	Yes
Global warming potential	
— global warming potential, (total) [CO2 eq]	59.1 kg
 — global warming potential, (during production) [CO2 eq] 	5.82 kg
— global warming potential, (during operation) [CO2 eq]	53.6 kg
— global warming potential, (after end of life cycle) [CO2 eq]	-0.373 kg
Ambient conditions	
Ambient temperature during operation	
• min.	-20 °C; No condensation
• max.	55 °C
Dimensions	
Width	35.5 mm
Height	90 mm
Depth	58 mm

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