SIEMENS

Data sheet

6ED1055-1CB00-0BA2

LOGO! DM8 24 expansion module, PS/I/O: 24V/24V/trans., 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)		
• 24 V DC	Yes	
permissible range, lower limit (DC)	20.4 V	
permissible range, upper limit (DC)	28.8 V	
Digital inputs		
Number of digital inputs	4	
Input voltage		
Type of input voltage	DC	
• for signal "0"	< 5 V DC	
• for signal "1"	> 12 V DC	
Input current		
for signal "0", max. (permissible quiescent current)	0.88 mA	
● for signal "1", typ.	2.1 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		
Number of digital outputs	4	
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.	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 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.	0 °C; ES03 and higher: -20 °C
• max.	55 °C
Dimensions	
Width	35.5 mm
Height	90 mm
Depth	58 mm

last modified: 10/9/2024 **C**