6ED1055-1FB10-0BA2

Data sheet



LOGO! DM16 230R expansion module, PS/I/O: 230V/230V/relay, 4 MW, 8 DI/8 DO for LOGO! 8

Installation type/mounting	
Mounting	on 35 mm DIN rail, 4 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	8
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	8; 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	

with resistive load, max. with inductive load, max. with inductive load, max. mechanical, max. 10 Hz Relay outputs Switching capacity of contacts with inductive load, max. with resistive load, max. with resistive load, max. with resistive load, max. with resistive load, max. SA with resistive load, max. Yes 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 Ambient conditions Ambient temperature during operation min. max. S5 °C Dimensions Width 71.5 mm Height 90 mm Depth S8 mm	• for uprating	No	
 with inductive load, max. mechanical, max. Relay outputs Switching capacity of contacts — with inductive load, max. — 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 FM approval Yes developed in accordance with IEC 61131 Yes according to VDE 0631 Yes Ambient conditions Ambient temperature during operation min. max. 55°C Dimensions Width 71.5 mm Height Height	Switching frequency		
mechanical, max. Relay outputs Switching capacity of contacts — with inductive load, max. — with resistive load, max. — 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 CSA approval Ves CSA approval Yes UL approval Yes developed in accordance with IEC 61131 Yes according to VDE 0631 Yes Marine approval Ambient conditions Ambient temperature during operation • min. • max. • 55 °C Dimensions Width 71.5 mm Height 90 mm	with resistive load, max.	2 Hz	
Relay outputs Switching capacity of contacts with inductive load, max with resistive load, max. 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 CSA approval Yes UL approval Yes FM approval developed in accordance with IEC 61131 according to VDE 0631 Marine approval Ambient conditions Ambient temperature during operation • min. • max. 0 °C; ES03 and higher: -20 °C 55 °C Dimensions Width 71.5 mm Height	 with inductive load, max. 	0.5 Hz	
Switching capacity of contacts	mechanical, max.	10 Hz	
— with inductive load, max. — 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 CSA approval Yes UL approval Yes FM approval developed in accordance with IEC 61131 according to VDE 0631 Warine approval Ambient conditions Ambient temperature during operation • min. • min. • min. • 0 °C; ES03 and higher: -20 °C 55 °C Dimensions Width Height 90 mm	Relay outputs		
— with resistive load, max. EMC Emission of radio interference acc. to EN 55 011	Switching capacity of contacts		
Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Standards, approvals, certificates CE mark CSA approval UL approval Yes FM approval developed in accordance with IEC 61131 according to VDE 0631 Marine approval Ambient conditions Ambient temperature during operation • min. • max. 0 °C; ES03 and higher: -20 °C 55 °C Dimensions Width Height 90 mm	— with inductive load, max.	3 A	
Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Yes Standards, approvals, certificates CE mark CSA approval Ves UL approval FM approval developed in accordance with IEC 61131 according to VDE 0631 Yes Ambient conditions Ambient temperature during operation • min. • min. • max. 55°C Dimensions Width 71.5 mm Height	— with resistive load, max.	5 A	
Limit class B, for use in residential areas Standards, approvals, certificates CE mark CSA approval UL approval FM approval developed in accordance with IEC 61131 according to VDE 0631 Marine approval Ambient conditions Ambient temperature during operation Image: max. O °C; ES03 and higher: -20 °C Image: max. Dimensions Width 71.5 mm Height Pes Yes O *C; ES05 mm Po mm	EMC		
Standards, approvals, certificates CE mark CSA approval Yes UL approval Yes FM approval developed in accordance with IEC 61131 according to VDE 0631 Marine approval Ambient conditions Ambient temperature during operation • min. • min. • max. 55 °C Dimensions Width 71.5 mm Height 90 mm	Emission of radio interference acc. to EN 55 011		
CE mark CSA approval Yes UL approval Yes FM approval developed in accordance with IEC 61131 according to VDE 0631 Marine approval Ambient conditions Ambient temperature during operation • min. • max. 55 °C Dimensions Width 71.5 mm Height 90 mm	 Limit class B, for use in residential areas 	Yes	
CSA approval UL approval Yes FM approval Yes developed in accordance with IEC 61131 according to VDE 0631 Yes Marine approval Ambient conditions Ambient temperature during operation • min. • min. • max. 55 °C Dimensions Width 71.5 mm Height 90 mm	Standards, approvals, certificates		
UL approval 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. • max. 0 °C; ES03 and higher: -20 °C • max. Dimensions Width 71.5 mm Height 90 mm	CE mark	Yes	
FM approval developed in accordance with IEC 61131 according to VDE 0631 Yes Marine approval Ambient conditions Ambient temperature during operation • min. • max. Dimensions Width T1.5 mm Height Yes Yes Yes Yes O °C; ES03 and higher: -20 °C 55 °C	CSA approval	Yes	
developed in accordance with IEC 61131 according to VDE 0631 Yes Marine approval Ambient conditions Ambient temperature during operation • min. • max. 0 °C; ES03 and higher: -20 °C 55 °C Dimensions Width 71.5 mm Height 90 mm	UL approval	Yes	
according to VDE 0631 Marine approval Ambient conditions Ambient temperature during operation ● min. ● max. 55 °C Dimensions Width T1.5 mm Height Pes Yes Yes O °C; ES03 and higher: -20 °C 55 °C	FM approval	Yes	
Marine approval Yes Ambient conditions Ambient temperature during operation min. o °C; ES03 and higher: -20 °C max. 55 °C Dimensions Width 71.5 mm Height 90 mm	developed in accordance with IEC 61131	Yes	
Ambient conditions Ambient temperature during operation • min. • max. 55 °C Dimensions Width T1.5 mm Height 90 mm	according to VDE 0631	Yes	
Ambient temperature during operation • min. • max. 55 °C Dimensions Width 71.5 mm Height 90 mm	Marine approval	Yes	
 ● min. ● max. 55 °C Dimensions Width Height O °C; ES03 and higher: -20 °C To C To C	Ambient conditions		
● max. 55 °C Dimensions Width 71.5 mm Height 90 mm	Ambient temperature during operation		
Dimensions Width 71.5 mm Height 90 mm	• min.	0 °C; ES03 and higher: -20 °C	
Width 71.5 mm Height 90 mm	• max.	55 °C	
Height 90 mm	Dimensions		
	Width	71.5 mm	
Depth 58 mm	Height	90 mm	
	Depth	58 mm	

1/16/2021

last modified: