

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ED1052-1MD00-0BA5

COMPACT LOGIC CONTROLLER MODULE

Used with the applicable LOGO! 0BA5 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens LOGO! Manual A5E00380835-02

E Order numbers

Table A

Variant	Designation	Order number
Basic	LOGO! 12/24 RC *	6ED1052-1MD00-0BA5
	LOGO! 24 *	6ED1052-1CC00-0BA5
	LOGO! 24 RC (AC)	6ED1052-1HB00-0BA5
	LOGO! 230 RC	6ED1052-1FB00-0BA5
Basic without display (pure)	LOGO! 12/24 RCo *	6ED1052-2MD00-0BA5
	LOGO! 24o *	6ED1052-2CC00-0BA5
	LOGO! 24 RCo (AC)	6ED1052-2HB00-0BA5
	LOGO! 230 RCo	6ED1052-2FB00-0BA5
Digital modules	LOGO! DM 8 12/24R	6ED1055-1MB00-0BA1
	LOGO! DM 8 24	6ED1055-1CB00-0BA0
	LOGO! DM 8 24R	6ED1055-1HB00-0BA0
	LOGO! DM 8 230R	6ED1055-1FB00-0BA1
	LOGO! DM 16 24	6ED1055-1CB10-0BA0
	LOGO! DM 16 24R	6ED1055-1NB10-0BA0
	LOGO! DM 16 230R	6ED1055-1FB10-0BA0
Analog modules	LOGO! AM 2	6ED1055-1MA00-0BA0
	LOGO! AM 2 PT100	6ED1055-1MD00-0BA0
	LOGO! AM 2 AQ	6ED1055-1MM00-0BA0
Communication modules	CM EIB/KNX	6BK1700-0BA00-0AA1
	CM AS Interface	3RK1400-0CE10-0AA2

*: Also with analog inputs

A.8 Technical data: LOGO! 12/24... and LOGO! DM8 12/24R

	LOGO! 12/24RC LOGO! 12/24RCo	LOGO! DM8 12/24R
Power supply		
Input voltage	12/24 V DC	12/24 V DC
Permissible range	10.8 ... 28.8 V DC	10.8 ... 28.8 V DC
Reverse polarity protection	Yes	Yes
Power consumption 12 V DC 24 V DC	30 ... 140 mA 20 ... 75 mA	30 ... 140 mA 20 ... 75 mA
Voltage failure buffering 12 V DC 24 V DC	typ. 2 ms typ. 5 ms	typ. 2 ms typ. 5 ms
Power loss 12 V DC 24 V DC	0.3 ... 1.7 W 0.4 ... 1.8 W	0.3 ... 1.7 W 0.4 ... 1.8 W
Backup of the real-time clock at 25 °C	typ. 80 h	
Accuracy of the real-time clock	typ. ± 2 s / day	
Electrical isolation	No	No
Digital inputs		
Number	8	4
Electrical isolation	No	No
Input voltage L+ - Signal 0 - Signal 1	< 5 V DC > 8.5 V DC	< 5 V DC > 8.5 V DC
Input current at - Signal 0 - Signal 1	< 0.85 mA (I1...I6) < 0.05 mA (I7, I8) > 1.5 mA (I1... I6) > 0.1 mA (I7, I8)	< 0.85 mA > 1.5 mA

	LOGO! 12/24RC LOGO! 12/24RCo	LOGO! DM8 12/24R
Delay time at		
• 0 to 1	typ. 1.5 ms <1.0 ms (I5, I6)	typ. 1.5 ms
• 1 to 0	typ. 1.5 ms <1.0 ms (I5, I6)	typ. 1.5 ms
Line length (unshielded)	100 m	100 m
Analog inputs		
Number	2 (I7 = AI1, I8 = AI2)	
Range	0 ... 10 V DC input impedance 76 kΩ	
Cycle time for analog value generation	300 ms	
max. Input voltage	28.8 V DC	
Line length (shielded and twisted)	10 m	
Error limit	+/- 1.5 %	
Digital outputs		
Number	4	4
Output type	Relay outputs	Relay outputs
Electrical isolation	Yes	Yes
In groups of	1	1
Control of a digital input	Yes	Yes
Output voltage		
Output current		
Continuous current I_{th} (per terminal)	max. 10 A per relay	max. 5 A per relay
Surge current	max. 30 A	max. 30 A
Incandescent lamp load (25000 switching cycles) at	1000 W	1000 W