A.5 Technical data: LOGO! DM8 24 and LOGO! DM16 24

	LOGO! DM8 24	LOGO! DM16 24
Power supply		
Input voltage	24 VDC	24 VDC
Permissible range	20.4 VDC to 28.8 VDC	20.4 VDC to 28.8 VDC
Reverse polarity protection	Yes	Yes
Permissible mains frequency	- -	- -
Power consumption from 24 VDC	25 mA to 40 mA (no load on digital output) 1.2 A (with max. load on digital output)	25 mA to 50 mA (no load on digital output) 2.4 A (with max. load on digital output)
Power loss at 24 V	0.6 W to 1.0 W	0.6 W to 1.2 W
Digital inputs		
Number	4	8
Electrical isolation	No	No
Number of high speed inputs	0	0
Input frequency • Normal input • High speed input	 • Max. 4 Hz • - -	 • Max. 4 Hz • - -
Max. continuous permissible voltage	28.8 VDC	28.8 VDC
Input voltage • Signal 0 • Signal 1	L+ • < 5 VDC • > 12 VDC	L+ • < 5 VDC • > 12 VDC
Input current at • Signal 0 • Signal 1	 • < 0.88 mA • > 2.1 mA	 • < 0.85 mA • > 2 mA
Delay time at • 0 to 1 • 1 to 0	 • Typ. 1.5 ms • Typ. 1.5 ms	 • Typ. 1.5 ms • Typ. 1.5 ms
Line length (unshielded)	Max. 100 m	Max. 100 m
Digital outputs		
Number	4	8
Output type	Transistor, current-sourcing [1)]	Transistor, current-sourcing [1)]
Electrical isolation	No	No
In groups of	- -	- -
Control of a digital input	Yes	Yes
Output voltage	≤ Supply voltage	≤ Supply voltage
Output current	Max. 0.3 A per channel	Max. 0.3 A per channel
Short circuit-proof and overload-proof	Yes	Yes
Short circuit current limitation	Approx. 1 A per channel	Approx. 1 A per channel

	LOGO! DM8 24	**LOGO! DM16 24**
Derating	None; across the entire temperature range	None; across the entire temperature range
Short circuit-proof cos 1	- -	- -
Short circuit-proof cos 0.5 to 0.7	- -	- -
Parallel output circuit for power increase	Not permitted	Not permitted
Protection of output relay (if desired)	- -	- -
Line length (unshielded)	Max. 100 m	Max. 100 m
Switching rate		
Mechanical	- -	- -
Electrical	10 Hz	10 Hz
Ohmic load/lamp load	10 Hz	10 Hz
Inductive load	0.5 Hz	0.5 Hz

[1] When you switch on LOGO! 24CE/24CEo, LOGO! DM8 24 or LOGO! DM16 24, the CPU sends signal 1 to the digital outputs for about 50 µs. Take this into account, especially when using devices that react to short pulses.

A.6 Technical data: LOGO! 24RC...

	LOGO! 24RCE **LOGO! 24RCEo**
Power supply	
Input voltage	24 VAC/VDC
Permissible range	20.4 VAC to 26.4 VAC 20.4 VDC to 28.8 VDC
Reverse polarity protection	- -
Permissible mains frequency	47 Hz to 63 Hz
Power consumption • 24 VAC • 24 VDC	 • 60 mA to 185 mA • 25 mA to 100 mA
Voltage failure buffering	Typ. 5 ms
Power loss • 24 VAC • 24 VDC	 • 1.4 W to 4.4 W • 0.6 W to 2.4 W
Backup of the real-time clock at 25 °C	Typ. 20 days
Accuracy of the real-time clock	Typ. ± 2 s/day
Digital inputs	
Number	8, optional positive voltage or negative voltage
Electrical isolation	No
Number of high speed inputs	0

Order numbers

E

Modules

Variant	Designation	Order number
LOGO! Basic (Base Module with display)	LOGO! 12/24RCE *	6ED1052-1MD08-0BA1
	LOGO! 24CE *	6ED1052-1CC08-0BA1
	LOGO! 24RCE (AC/DC)	6ED1052-1HB08-0BA1
	LOGO! 230RCE (AC/DC)	6ED1052-1FB08-0BA1
LOGO! Pure (Base Module without display)	LOGO! 12/24RCEo *	6ED1052-2MD08-0BA1
	LOGO! 24CEo *	6ED1052-2CC08-0BA1
	LOGO! 24RCEo (AC/DC)	6ED1052-2HB08-0BA1
	LOGO! 230RCEo (AC/DC)	6ED1052-2FB08-0BA1
Digital modules	LOGO! DM8 12/24R	6ED1055-1MB00-0BA2
	LOGO! DM8 24	6ED1055-1CB00-0BA2
	LOGO! DM8 24R	6ED1055-1HB00-0BA2
	LOGO! DM8 230R	6ED1055-1FB00-0BA2
	LOGO! DM16 24	6ED1055-1CB10-0BA2
	LOGO! DM16 24R	6ED1055-1NB10-0BA2
	LOGO! DM16 230R	6ED1055-1FB10-0BA2
Analog modules	LOGO! AM2	6ED1055-1MA00-0BA2
	LOGO! AM2 RTD	6ED1055-1MD00-0BA2
	LOGO! AM2 AQ (0...10V, 0/4...20mA)	6ED1055-1MM00-0BA2
Text Display module with Ethernet interfaces	LOGO! TDE	6ED1055-4MH08-0BA1

*: Also with analog inputs

Accessories

Accessories	Designation	Order number
LOGO!Soft Comfort DVD	LOGO!Soft Comfort V8.3	6ED1058-0BA08-0YA1
Switching modules	LOGO! Contact 24 V	6ED1057-4CA00-0AA0
	LOGO! Contact 230 V	6ED1057-4EA00-0AA0
Power modules	LOGO! Power 12V/1.9A	6EP1321-1SH02
	LOGO! Power 12V/4.5A	6EP1322-1SH02
	LOGO! Power 24V/1.3A	6EP1331-1SH02
	LOGO! Power 24V/2.5A	6EP1332-1SH42
	LOGO! Power 24V/4A	6EP1332-1SH51
	LOGO! Power 5V/3A	6EP1311-1SH02
	LOGO! Power 5V/6.3A	6EP1311-1SH12
	LOGO! Power 15V/1.9A	6EP1351-1SH02
	LOGO! Power 15V/4A	6EP1352-1SH02