

# LOGO!

## Technical Data



LOGO! 8 Basic				
	LOGO! 24CE	LOGO! 12/24RCE	LOGO! 24RCE	LOGO! 230RCE
Inputs	8	8	8	8
of which can be used in analog mode	4 (0 to 10 V)	4 (0 to 10 V)	–	–
Input/supply voltage	24 V DC	12...24 V DC	24 V AC/DC	115...230 V AC/DC
Permissible range	20.4...28.8 V DC	10.8 V...28.8 V DC	20.4 V AC to 26.4 V AC 20.4 V DC to 28.8 V DC	85 V AC to 265 V AC 100 V DC to 253 V DC
Outputs	4; transistors	4; relays	4; relays	4; relays
Continuous current	0.3 A	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load
Short-circuit protection	Electronic (approx. 1 A)	External fuse required	External fuse required	External fuse required
Switching frequency	10 Hz	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load
Cycle time	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function
Display	Yes	Yes	Yes	Yes
Integrated time switches/power reserve	Yes / typ. 20 days	Yes / typ. 20 days	Yes / typ. 20 days	Yes / typ. 20 days
Connection cables	2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>
Ambient temperature	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C
Storage temperature	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C
Emitted interference	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)
Degree of protection	IP20	IP20	IP20	IP20
Certification	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals
Mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting
Dimensions (W x H x D)	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm
Programming cable	Ethernet	Ethernet	Ethernet	Ethernet

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## Technical Data



LOGO! 8 Basic				
	LOGO! 24CE	LOGO! 12/24RCE	LOGO! 24RCE	LOGO! 230RCE
LOGO! <=> LOGO! communication (Ethernet)	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG
LOGO! <=> network (Ethernet)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/HMI, PC)
Maximum program memory	400 blocks	400 blocks	400 blocks	400 blocks
External memory module	Standard micro SD card	Standard micro SD card	Standard micro SD card	Standard micro SD card
Data Logging	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)
Online status chart	Yes, with saving on the PC	Yes, with saving on the PC	Yes, with saving on the PC	Yes, with saving on the PC
Macro function	Yes	Yes	Yes	Yes
Web server	Yes	Yes	Yes	Yes
Article No.	6ED1052-1CC08-0BA0	6ED1052-1MD08-0BA0	6ED1052-1HB08-0BA0	6ED1052-1FB08-0BA0

# LOGO!

## Technical Data



LOGO! 8 Pure				
	LOGO! 24CEo	LOGO! 12/24RCEo	LOGO! 24RCEo	LOGO! 230RCEo
Inputs	8	8	8	8
of which can be used in analog mode	4 (0 to 10 V)	4 (0 to 10 V)	–	–
Input/supply voltage	24 V DC	12...24 V DC	24 V AC/DC	115...230 V AC/DC
Permissible range	20.4...28.8 V DC	10.8 V...28.8 V DC	20.4 V AC to 26.4 V AC 20.4 V DC to 28.8 V DC	85 V AC to 265 V AC 100 V DC to 253 V DC
Outputs	4; transistors	4; relays	4; relays	4; relays
Continuous current	0.3 A	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load	10 A with resistive load; 3 A with inductive load
Short-circuit protection	Electronic (approx. 1 A)	External fuse required	External fuse required	External fuse required
Switching frequency	10 Hz	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load	2 Hz with resistive load; 0.5 Hz with inductive load
Cycle time	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function	< 0.1 ms/function
Display	No	No	No	No
Integrated time switches/power reserve	Yes / typ. 20 days	Yes / typ. 20 days	Yes / typ. 20 days	Yes / typ. 20 days
Connection cables	2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup> or 1 x 2.5 mm <sup>2</sup>
Ambient temperature	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C	0 to + 55 °C
Storage temperature	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C	– 40 °C to + 70 °C
Emitted interference	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)	In accordance with EN 55011 (limit class B)
Degree of protection	IP20	IP20	IP20	IP20
Certification	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals	CSA, UL, FM, IEC 61131, VDE 0631, marine approvals
Mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting	on 35 mm DIN rail, 4 spacing units wide, or wall mounting
Dimensions	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm	71.5 (4 MW) x 90 x 60 mm
Programming cable	Ethernet	Ethernet	Ethernet	Ethernet

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## Technical Data



LOGO! 8 Pure				
	LOGO! 24CEo	LOGO! 12/24RCEo	LOGO! 24RCEo	LOGO! 230RCEo
LOGO! <=> LOGO! communication (Ethernet)	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG	Yes, max. 16 LOGO! + 1 LOGO! TDE + 1PC/PG
LOGO! <=> network (Ethernet)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/ HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/ HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/ HMI, PC)	Yes, max. 16 TN (LOGO!, SIMATIC CPU/ HMI, PC)
Maximum program memory	400 blocks	400 blocks	400 blocks	400 blocks
External memory module	Standard micro SD card	Standard micro SD card	Standard micro SD card	Standard micro SD card
Data Logging	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)	Internal memory (200 data records) / micro SD card (2000 data records)
Online status chart	Yes, with saving on the PC	Yes, with saving on the PC	Yes, with saving on the PC	Yes, with saving on the PC
Macro function	Yes	Yes	Yes	Yes
Web server	Yes	Yes	Yes	Yes
Article No.	6ED1052-2CC08-0BA0	6ED1052-2MD08-0BA0	6ED1052-2HB08-0BA0	6ED1052-2FB08-0BA0