



MASI FOR THE CONTROL CABINET

- High signal density in a minimum amount of space
- Pluggable insulation displacement or spring clamp connections
- Sensor power supply from AS-Interface or 24 V DC

MASI – THE CLEVER AS-INTERFACE SYSTEM FROM MURRELEKTRONIK

The modules are designed in a way that the wiring method with single strands is optimally supported in order to offer the user the best possible benefit during installation, commissioning and maintenance.

The design according to the latest AS-Interface specification 3.0 and the AS-Interface certificate with worldwide validity guarantee the user interoperability and a high investment security. Furthermore, safety shutdowns according to EN 13849-1 up to PL d can be realized using a special K3 module.



➤ MASI

I/O modules, accessories and accompanying information material regarding MASI can be found in the **online shop**:

➤ shop.murrelektronik.com

Gateway



Gateway Singlemaster



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Gateway Doublemaster



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MASI00/MASI20



MASI00

- Digital inputs/outputs
- Degree of protection IP00

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MASI20

- Digital inputs/outputs
- Passively safe outputs
- Degree of protection IP20

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Power Supply Units



Primary switched power supply

- Single-phase, three-phase

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MASI CONTROL CABINET

PROFIBUS DP			Art-No.
	Gateway-Singlemaster		
	AS-Interface/PROFIBUS DP No. of slaves ASI-Power 24 Serial interface/diagnostic AS-Interface data decoupling integrated	Protection IP20 max. 62 Specification 3.0 - Protection AS-i side, 4 A	56471
PROFINET			Art-No.
	Gateway-Singlemaster		
	AS-Interface/PROFINET No. of slaves ASI-Power 24 Serial interface/diagnostic AS-Interface data decoupling integrated	Protection IP20 max. 62 Specification 3.0 RJ45/Fieldbus Protection AS-i side, 4 A	56470
EtherNet/IP			Art-No.
	Gateway-Singlemaster		
	AS-Interface/EtherNet/IP No. of slaves ASI-Power 24 Serial interface/diagnostic AS-Interface data decoupling integrated	Protection IP20 max. 62 Specification 3.0 RJ45/Fieldbus Protection AS-i side, 4 A	56469
CC-Link			Art-No.
	Gateway-Singlemaster		
	AS-Interface/CC-Link No. of slaves ASI-Power 24 Serial interface/diagnostic AS-Interface data decoupling integrated	Protection IP20 max. 62 Specification 3.0 - Protection AS-i side, 4 A	56473
EtherCAT			Art-No.
	Gateway-Doublemaster		
	AS-Interface/EtherCAT No. of slaves AS-Interface data decoupling integrated Serial interface/diagnostic	Protection IP20 max. 2 × 62 Specification 3.0 RJ45/Ethernet Protection AS-i side, 4 A	56458

MA SI CONTROL CABINET

MASI00			Art-No.
	Digital inputs/outputs DI4/DO4 - 0.2 A Sensor supply US Switching current per output Profile (IO/ID/ID2 code) Address range Standard-Slave	Protection IP00 max. 200 mA (AS-Interface) max. 30 mA S-7.F.F 1...31 via plug terminals Specification 3.0	55700
	DI4/DO4 - 0.2 A (AB) Sensor supply US Switching current per output Profile (IO/ID/ID2 code) Address range AB-Slave	Protection IP00 max. 200 mA (AS-Interface) max. 30 mA S-7.A.7 1...62 (1...31 A or B) via plug-in terminal Specification 3.0	55701
	Digital inputs/outputs DI4/DO4 - 0.2 A Sensor supply US Switching current per output Connection cable for pin cable lug Profile (IO/ID/ID2 code) Address range Standard-Slave	Protection IP00 max. 200 mA (AS-Interface) max. 30 mA 250 mm S-7.F.F 1...31 via plug terminals Specification 3.0	556625
	DI4/DO4 - 0.2 A (AB) Sensor supply US Switching current per output Connection cable for pin cable lug Profile (IO/ID/ID2 code) Address range AB-Slave	Protection IP00 max. 200 mA (AS-Interface) max. 30 mA 250 mm S-7.A.7 1...62 (1...31 A or B) via plug-in terminal Specification 3.0	556639
	Connection cable MASI00 with open ended wires	1 000 mm	556510
	Connection cable MASI00 with cable fork	150 mm	556511

MASI20			Art-No.
	Digital inputs/outputs DI4 - 0.2 A DO4 - 0.5 A (AB) K3 Sensor supply US Switching current per output Profile (IO/ID/ID2 code) Address range AB-Slave passive safe outputs	Protection IP20 from AS-Interface or 24 V DC (EN 61131-2) max. 0.5 A S-7.A.7 1...62 (1...31 A or B) Specification 3.0 can be switched off via safety relays	56440
	Digital inputs/outputs DI4 - 0.15 A DO4 - 2 A K3 Sensor supply US Switching current per output Profile (IO/ID/ID2 code) Address range Standard-Slave passive safe outputs	Protection IP20 from AS-Interface or 24 V DC (EN 61131-2) max. 2 A S-7.0.E 1...31 Specification 3.0 can be switched off via safety relays	56475
	Digital inputs/outputs DI4 - 0.15 A DO4 - 2 A (AB) K3 Sensor supply US Switching current per output Profile (IO/ID/ID2 code) Address range AB-Slave passive safe outputs	Protection IP20 from AS-Interface or 24 V DC (EN 61131-2) max. 2 A S-7.A.7 1...62 (1...31 A or B) Specification 3.0 can be switched off via safety relays	56476
	Digital inputs/relay outputs DI4 - 0.15 A DO4R - 2 A Sensor supply US Switching current per output Relay outputs Profile (IO/ID/ID2 code) Address range Standard-Slave	Protection IP20 from AS-Interface or 24 V DC (EN 61131-2) 2 A - S-7.0.E 1...31 Specification 3.0	56477
	Digital inputs/relay outputs DI4 - 0.15 A DO4R - 2 A (AB) Sensor supply US Switching current per output Relay outputs Profile (IO/ID/ID2 code) Address range AB-Slave	Protection IP20 from AS-Interface or 24 V DC (EN 61131-2) 2 A - S-7.A.7 1...62 (1...31 A or B) Specification 3.0	56478

MASI CONTROL CABINET

Power Supply Units			Art-No.
	Switch mode power supplies Single-phase, primary switched Input voltage Output voltage Efficiency Output current	Protection IP20 95...265 V AC 30.5 V DC (SELV), $\pm 2\%$ 83% (110 V AC); 85% (240 V AC) max. 4.0 A (+40 °C); 3.4 A (+55 °C)	85381
	Switch mode power supplies Single-phase, primary switched Input voltage Output voltage with EFD (earth fault detection) Efficiency Output current	Protection IP20 95...265 V AC 30.5 V DC (SELV), $\pm 2\%$ - 83% (110 V AC); 85% (240 V AC) max. 4.0 A (+40 °C); 3.4 A (+55 °C)	85382
	Switch mode power supplies 3-phase, primary switched Input voltage Output voltage Efficiency Output current	Protection IP20 3×324...572 V AC/2×340...572 V AC/450...745 V DC 30.5 V DC (SELV), $\pm 1\%$; 30...32 V adjustable 92.5% (3 × 400 V AC); 91.8% (3 × 480 V AC) 4.8 A (45 °C); 4.0 A (60 °C); 2.9 A (70 °C)	85383