

COMPACT

MASI20

The new generation of control cabinet modules

The MASI installation solution, Murrelektronik's AS interface system, enables an easy and cost-effective connection of IO signals to higher-level control systems. MASI allows for very flexible installation solutions for control cabinets and fields without being bound to rigid topologies.

Murrelektronik is proud to present a new and particularly compact generation of MASI20 control cabinet modules with an innovative design and excellent value for money.



Highly economical signal connection with the control unit

- **Particularly compact design** – saves installation space in the control cabinet
- **Low overall height** – for use in decentralized terminal boxes
- **Convenient arrangement of all push-in terminals on the front** – makes connecting easy and reduces the number of terminals in the cabinet
- **Excellent value for the price**
- **Passive safety up to performance level (PL) d (EN ISO 13849-1)** – for versions with semiconductor output in conjunction with Murrelektronik MIRO SAFE + relay, for example
- **AS interface and AUX power are internally bridged** – no interruption if individual modules are temporarily removed
- **Clear I/O diagnostics** – thanks to an illuminated numerical display

Technical features

- overall width of only 19 millimeters for all 28 connection points
- relay output modules with 2 A per output for 250VAC or 30VDC
- semiconductor output modules with 2 A per output for 30VDC
- coded, labeled terminals for error-free assembly
- short-circuit-protected outputs and sensor supply
- no additional short-circuit and line protection required



ORDER DATA

MASI20 DI4/0.15A DO4/2.0A K3



MASI20 DI4/0.15A DO4/2.0A AB K3



MASI20 DI4/0.15A DO4R/2.0A



MASI20 DI4/0.15A DO4R/2.0A AB



Approval/certificate:

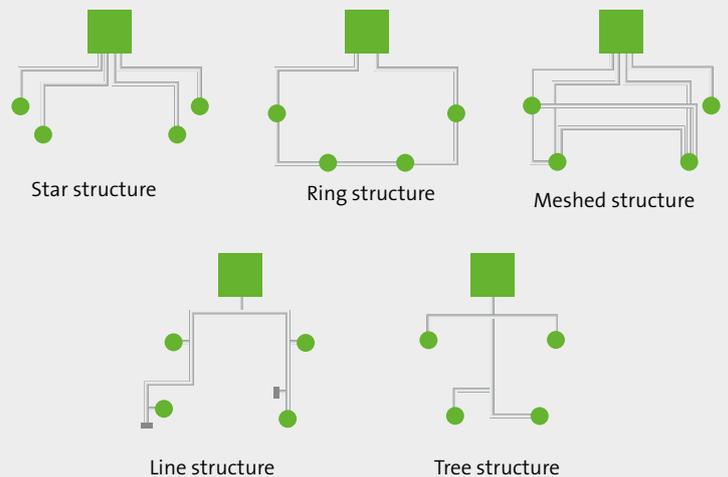


	Art. No.	Art. No.	Art. No.	Art. No.
	56475	56476	56477	56478
Input				
Slave type	Standard	AB slave	Standard	AB slave
AS interface specification	V 3.0			
Master	≥ V 2.0	≥ V 3.0	≥ V 2.0	≥ V 3.0
AS interface profile	S-7.0.E	S-7.A.7	S-7.0.E	S-7.A.7
Input	4 DI			
Input signal	DIN EN 61131-2 (type 1)			
Output	4 DO semiconductor short-circuit-protected		4 DO relay	
Output current	2 A (total current 4 A) Tu ≤ 60 °C 1 A (total current 4 A) Tu ≤ 70 °C		2 A (total current 8 A) 30 V DC-DC14 / 250 V AC-AC13	
Vibration/shock	Vibration: 5 G/shock: 15 G			
Operating temperature	-25 ... +70 °C			
Connections	removable push-in terminals 0.25 ...1.5 mm ² (with ferrule ends)			
Fastening method	DIN rail/TH 35 (EN 60715)			

Simple installation topology for sensors and actuators from the control cabinet to the field

MASI is Murrelektronik's fast, easy and cost-effective AS interface installation system. Unshielded individual strands are used as system connections in the control cabinet while unshielded round and profile cables are used in the field. One cable to transfer all required supply voltages and data signals.

MASI installation topologies are flexible allowing for tree, line, star and ring topology concepts to simplify installation.



i MASI67 – with profile cable into the field

- quick connection thanks to piercing technique
- compact design
- passive safety outputs up to PLd (EN ISO 13849-1)
- flexibly insertable profile cable

i MASI68 – with round cable into the field

- M12 with A-coding for the system connection
- small and compact with high signal density
- passive safety outputs up to PLd (EN ISO 13849-1)
- easy installation thanks to integrated bus distribution