

LOGICAP

PLUGGABLE FUNCTIONALITY

The LogiCap from Murrelektronik turns basic passive distributor modules into powerful decision-makers and helps reduce costs.

The signals from several sensors often need to be interconnected in machines and systems in order to provide reliable information about the status of a given machine. These sensor signals can be led individually to the controller. This, however, implies more wiring, a large number of PLC or IP20 fieldbus inputs, programming effort and higher cycle times.

Therefore, it often makes sense to perform sensor signal processing in the immediate vicinity of the process. LogiCap is plugged onto basic standard distribution modules of the Exact12 series with four or eight ports, linking together up to 16 input signals. Depending on the program selection, this can also be 2 groups of sensors linked to 2 outputs. A standard M12 cable is used for the 4-pin connection to the PLC or even to a fieldbus module, thus saving costs and space.

Universal use and utmost flexibility

- Fast, decentralized prelinking of digital input signals
- High flexibility thanks to predefined logic programs
- 4 or 8 M12 slots with basic distribution module
- Reducing the number of expensive PLC inputs and the programming effort



PREDEFINED LOGIC PROGRAMS

In total, nine predefined logic links (AND, OR as well as XOR) can be set in the LogiCap for a maximum of 16 digital inputs. Two groups of sensors can be processed at the same time, which delivers flexibility. Depending on the application, you can easily disable any single input that is not needed via a DIP switch.

Status and diagnostic LEDs with flash and blink codes facilitate start-up and troubleshooting.

COMPACT



ORDER DATA FOR LOGICAP

Order data		Art. No.
		8000-H1488-0000000
General		
Nominal voltage	10...30 VDC	
Power consumption	max. 36 mA	
Inputs		
Total current of inputs	max. 800 mA	
Power limitation of inputs	1350 mA	
Input current for 24 V/Umax	<11 mA/<14 mA	
Output		
Output current per channel (S2/S4)	max. 400 mA	
Delay time	<0.5 ms	
Residual voltage	<0.5 V	
Leakage current	<5 µA	
Output short-circuit protection	limiting to 700 mA	
Output protection against power input	max. 33 V	
Status indication		
Operational status/signal/error indication	3 LEDs (green/red)	
Housing		
Dimensions (H x W x D)	55 x 49 x 60 mm	
Material	PBT/PC plastic, black/transparent	
Fastening method	2 x M3 & 2 x M4 screws	
Weight	100 g	
Environmental conditions		
Degree of protection	IP67	
Operating temperature range	-20 ... +70 °C	
Storage temperature range	-20 ... +80 °C	
Vibration acc. to EN 60068-2-6	5...58 Hz; const. amplitude 0.75 mm / 58...500 Hz; const. acceleration 10 g	
Shock acc. to EN 60068-2-27	50 g, 11 ms duration	
Interfaces		
Distributor connection	compatible with ME Exact12 basic modules	
Supply/output	1 x M12 male connector, 5-pin A-coded	

LOGICAP

For further information on your preferred product visit our online shop.



OVERVIEW OF COMPATIBLE EXACT12 DISTRIBUTORS FOR LOGICAP

Description	Art. No.
4-fold, M12, 4-pin, with LED	8000-84400-0000000
4-fold, M12, 4-pin, without LED	8000-84402-0000000
4-fold, M12, 5-pin, with LED	8000-84500-0000000
4-fold, M12, 5-pin, without LED	8000-84502-0000000
4-fold, M12, 5-pin, with LED, with potential separation	8000-84600-0000000
8-fold, M12, 4-pin, with LED	8000-88400-0000000
8-fold, M12, 4-pin, without LED	8000-88402-0000000
8-fold, M12, 5-pin, with LED	8000-88500-0000000
8-fold, M12, 5-pin, without LED	8000-88502-0000000
8-fold, M12, 5-pin, with LED, with potential separation	8000-88600-0000000



COMPACT

1

MODULAR COMPATIBILITY

LogiCap ist compatible with the Exact12 distribution boxes with 4 or 8 slots. Each M12 port allows 1 or 2 signals to be collected. This is an attractive alternative to the previous ‚logic distributors‘ and offers a high level of flexibility for new configurations.

2

9 PROGRAMS CAN BE SET

A rotary switch is used to set the logic functions. LogiCap thus reduces the number of types to be kept in stock.

3

KEEP IT SIMPLE!

Unneeded inputs can be easily disabled via a DIP switch. This design makes any separate jumpers unnecessary.

4

DIAGNOSTIC FUNCTION

Start-up and troubleshooting are made easy by the LEDs provided on the LogiCap. They indicate undervoltage and overvoltage as well as a possible short circuit on the output. This can save precious time, especially when dealing with large systems.

5

HIGH PROTECTION CLASS

LogiCap is sealed according to protection class IP67, which makes it ideally suitable for use in harsh industrial environments.