

SBM42 Input/Output Module

Application

The SBM42 is an input/output module on the switch cabinet bus with 40 binary inputs and 24 binary inputs/outputs.

These can be switched individually using the parameters in the basic program.

For operation and display, SBM42 has over 16 buttons with LEDs and 32 additional LEDs. The buttons can be parameterized to function as pushbuttons, switches, or switch groups. The display function of the LEDs can be configured individually as a solid or flashing light and individual color.



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Important Information Regarding Product Safety

Safety Instructions

This data sheet contains information on installing and commissioning the product "SBM42 Input/Output Module". Each person who carries out work on this product must have read and understood this data sheet. If you have any questions that are not resolved by this data sheet, you can obtain further information from the supplier or manufacturer.

If the product is not used in accordance with this data sheet, the protection provided will be impaired.

Applicable regulations must be observed when installing and using the device. Within the EU, these include regulations regarding occupational safety and accident prevention as well as those from the VDE (German Association for Electrical, Electronic & Information Technologies). If the device is used in other countries, it is the responsibility of the system installer or operator to comply with local regulations.

Mounting, installation and commissioning work on the devices may only be carried out by qualified technicians. Qualified technicians are persons who are familiar with the described product and who can assess given tasks and recognize possible dangers due to technical training, knowledge and experience as well as knowledge of the appropriate regulations.

Meaning of the Symbols



WARNING

Indicates a hazard of medium risk which can result in death or severe bodily injury if it is not avoided.



CAUTION

Indicates a hazard of low risk which can result in minor or medium bodily injury if it is not avoided.



NOTICE

Indicates a hazard of medium risk which can result in material damage or malfunctions if it is not avoided.



Note

Indicates additional information that can simplify the work with the product for you.

Notes on Disposal

For disposal, the product is considered waste from electrical and electronic equipment (electronic waste) and must not be disposed of as household waste. Special treatment for specific components may be legally binding or ecologically sensible. The local and currently applicable legislation must be observed.

Item

SBM42 Input/output module on switch cabinet bus

Technical Data

Bus connection	Switch cabinet bus SBM bus	16 switch cabinet bus modules SBM; 200 m; 40 kBd; CAN
Inputs and outputs	40 binary inputs BI	Potential-free contact 5 mA / DC 24 V (max. 250 ohm)
	24 binary outputs BO, optionally as BI	Transistor output max. 80 mA, DC 24 V
Nominal voltage	For SBM	AC 24 V 10%; 50 to 60 Hz; 3 VA
	For inputs and outputs	DC 24 V 10%; 320 mA; 8 W Terminals 17 and 37, internally connected
Fuse	Electronic	
Address switch	00 to 16 with 2 rotary switches behind front panel	
Displays	LED bus, LED error 48 multi-colored LEDs (incl. 16 in buttons)	
Switches / pushbuttons	16 pushbuttons with colored LEDs	
Degree of protection	IP40	
Ambient temperature	0 to 45 °C	
Ambient humidity	During operation: 20 to 80 % r.h., non-condensing Out of operation: 5 to 90 % r.h., non-condensing	
Housing	19" plastic short enclosure, quadruple width with a plug-in base W x H x D; 202 mm x 132 mm x 137 mm	
Front cut-out	200.4 mm x 112.0 mm	
Weight	0.65 kg	
Marking	CE	

Installation Dimensions



Connection

