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Model number

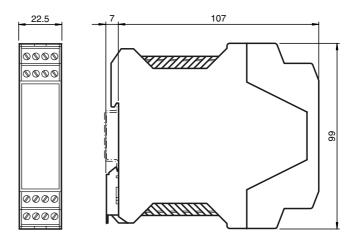
VBA-4E1A-KE3-ZEJ/SR

KE3 control cabinet module 4 inputs, 1 control-safe relay output

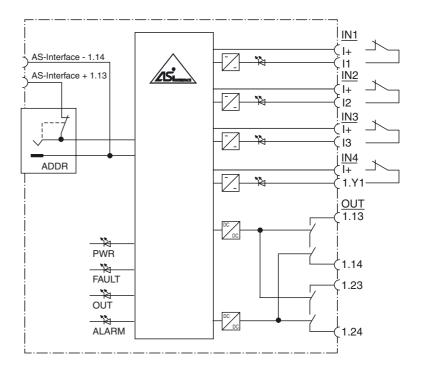
Features

- Several safe output modules grouped to form a release circuit
- 2 galvanically isolated contact banks
- 4 conventional inputs, 1 of which can be switched as a protective feedback circuit
- SIL3 (IEC 61508)
- Addressing jack
- Occupies one complete address for the safe output and one A/B address for the 4 inputs

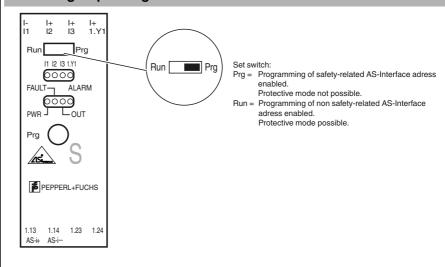
Dimensions



Electrical connection



Indicating / Operating means



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Function

The AS-Interface relay output module VBA-4E1A-KE3-ZEJ/SR is a control cabinet module with 4 inputs and a relay output. The inputs comprise 3 conventional and 1 EDM input. The relay-switched output can be loaded with 3 A at 24 V DC or 230 V AC. The use of the relay output module enables safe switching sequences to be achieved remotely in the field. This means that the parallel wiring of safe actuators in the field is a thing of the past.

The housing, which is only 22.5 mm wide, requires little space in the switch cabinet. The module is installed by simply snapping it onto the 35 mm standard mounting rail to EN 50022. An addressing socket is integrated in the module.

The connection is made via plug-in terminals. Four-terminal blocks (black) are used for the outputs. Connection of the AS-Interface is by means of a 2-station terminal block (yellow). This permits the simple removal of the sensors or of the supply during commissioning or servicing. The supply to the inputs and the connected sensors is fed internally via the module from the AS-Interface. The current switching state of the inputs and of the output relay is indicated via yellow LEDs. Communication faults and the set output bit A0 are indicated via red LEDs. The display of the operating voltage and the address 0 is provided by a green LED.

Access to the addressing of the safe output slaves and of the integrated A/B-Slaves takes place by switching over the programming switch to the operating mode "Prg" and "Run".

Accessories

VBP-HH1-V3.0-KIT

AS-Interface Handheld with accessory

VBP-HH1-V3.0

AS-Interface Handheld

VAZ-PK-1,5M-V1-G

Adapter cable module/hand-held programming device

Compliance with standards and directives

Directive conformity	
EMC Directive 2004/108/EC	EN 61000-6-2:2005, EN 61000-6-4:2007, EN 50295:1999
Standard conformity	
Noise immunity	EN 61000-6-2:2005, EN 50295:1999
Emitted interference	EN 61000-6-4:2007
AS-Interface	EN 50295:1999
Input	EN 61131-2
Protection degree	EN 60529

Notes

Do not connect inputs and outputs, which are supplied via the module from AS-interface or via auxiliary power, with power supply and signal circuits with external potentials.

Diagnostic					
Value	Color	Description	State change	LED out	
0	green	output on		on	
1	green flash.	-		-	
2	yellow	restart inhibit	auxillary signal 2	1 Hz	
3	yellow flash.	-		-	
4	red	output off		off	
5	red flash.	waiting for reset of error condition	auxillary signal 1	8 Hz	
6	grey	internal error such as fatal error	only via Power on on device	all LED flashing	
7	green/yellow	output released, but not switched on	switching on by setting of A1	off	