VAS-2A8L-KE4-8SE



99 5 5 113



Electrical connection

Dimensions

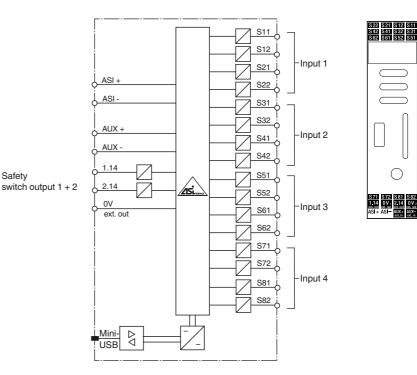
Model number

VAS-2A8L-KE4-8SE

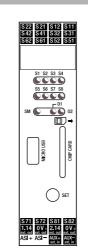
Safety Monitor, 8 decentralized output circuits

Features

- Compact safety controller up to SIL • 3/PLe
- 4 integrated, safe inputs
- 2 integrated, safe outputs (OSSDs) •
- 8 logical, safe output groups ٠ (switchable)
- Increased functionality through inte-• grated expansion port
- Parameterizable muting, timer and lo-• gic functions using SIMON+ software



Indicating / Operating means



= Service button CHIP CARD = Chip card

Date of issue: 2014-02-21 261493_eng.xml Release date: 2014-02-21 16:40

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SET



1

AS-Interface Safety Monitor

2

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VAS-2A8L-KE4-8SE

Technical data			Function
General specifications			The AS-Interface safety monitor compact
AS-Interface specification		V3.0	VAS-2A8L-KE4-8SE- is a control cabinet
UL File Number		E223772	module with up to 8/4 local safe inputs and up
Functional safety related param	eters		to 8 independent outputs.
Safety Integrity Level (SIL)		SIL 3	
Performance level (PL)		PLe	The safe inputs can optionally be configured
Mission Time (T _M)		20 a	as standard inputs and signalling outputs.
PFHd		5.08 E-9	Two of the safe inputs are also suitable as
Indicators/operating means			inputs for OSSDs, the others only for poten-
LED SM		Status of safety monitor, multicolored LED	tial-free contacts. Each safe input can also be configured as two standard inputs. 8 indepen-
LED S1 S8		green: Safety monitor OK Status of inputs S1 S8, yellow LED yellow: Contact open	dent AS-Interface release circuits support multiple safe AS-Interface outputs on a single address. In addition, the test pulse outputs can be switched as diagnostic outputs (not
LED 01, 02		Status of outlputs, multicolored LED yellow: Output on	
Electrical specifications		yenow. Output on	control-safe). The safe circuit for the connec-
Auxiliary voltage (input)	U _{EXT}	20 30 V _{DC} PELV	ted consumers is created using two safety
Insulation voltage	Ui	500 V AS-Interface/U _{AUX} :	relays.
Rated operating voltage	Ue	18,0 31.6 V from AS-Interface	The housing, which is only 22.5 mm wide,
Rated operating current	l _e	≤ 200 mA from AS-Interface;	requires little space in the switch cabinet. The
Interface 1	'e	\leq 4 A from AUX	module is mounted by clicking it onto the 35 mm mouting rail, compliant with
			EN 50022.
Interface type		Chip card slot	The AS-Interface and external power supply
Interface 2			are each connected by means of a 2-station
Interface type		Micro USB	terminal block. Connection of the inputs and
Input			•
Number/Type		8 / 4 safe inputs cat. 4	outputs is by means of multiple 4-station ter-
		or 8 standard inputs	minal blocks. This permits the simple removal of the supply during commissioning or servi-
Supply		24 V U _{AUX}	cing. The supply to the connected slaves is
Current loading capacity		10 mA per signal output	fed either internally via the module from the
canon loading capacity		1.4 A OSSD supply output	AS-interface or via an external supply. The
Input current		Static switching current 4 mA at 24 V, dynamic 30 mA at 24 V $(T=100 \ \mu s)$	current status of the inputs and outputs is indi-
Output		(1 100 μ0)	cated via yellow LEDs. Communication faults
Number/Type		Output circuits 1 and 2	are indicated via red LEDs. The display of the
Number/Type		max. contact rating: 700 m A _{DC-13} at 24 V	operating voltage and the address 0 is provi- ded by a green LED.
Supply		24 V U _{AUX}	A Micro-USB interface is used for configura-
Programming instructions			tion with the AS-i-Control Tools via ASIMON.
Profile		S-0.B.E	The configuration can be transferred to a
		0	replacement device using a chip card.
IO code		B	
ID code			Accessories
ID1 code		F	Accessories
Ambient conditions			VBP-HH1-V3.0-KIT
Ambient temperature		0 55 °C (32 131 °F)	AS-Interface Handheld with accessory
Storage temperature		-25 85 °C (-13 185 °F)	AS-Interface Handheid with accessory
Mechanical specifications			VBP-HH1-V3.0
Degree of protection		IP20	AS-Interface Handheld
Connection		removable terminals	AS-Interface i landifield
		rated connection capacity:	VAZ-PK-1,5M-V1-G
		rigid/flexible (with and without wire-end ferrules):	Adapter cable module/hand-held pro-
		0.25 mm ² 2.5 mm ²	
		for multiple-wire connection with two wires of equal cross-sec- tion:	gramming device
		flexible with twin wire-end ferrules: 0.5 mm^2 1.5 mm^2	VAZ-SW-SIMON+
Material			Software for configuration of K30 Master
Housing		PA 66-FR	Monitors/K31 and KE4 Safety Monitors
Mounting Compliance with standards and	directi-	DIN mounting rail	
ves			
Directive conformity			
Machinery Directive 2006/42/E	C	EN 13849-1:2008/AC:2009 EN 62061:2005	
EMC Directive 2004/108/EC		EN 50295:1999	
		EN 61000-6-2:2005/AC:2005 EN 61000-6-4:2007/A1:2011	
Standard conformity			
-		EN 50205-1000	
Electromagnetic compatibility		EN 50295:1999 EN 61000-6-2:2005/AC:2005	
		EN 61000-6-4:2007/A1:2011	
AS-Interface		EN 50295:1999	
Degree of protection		EN 60529:2000	
Electrical safety		IEC 61508:2010 and EN 62061:2005 (up to SIL3)	
Licenser survey		EN 13849-1:2008/AC:2009	
		EN 61326-3-1:2008	

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