



AS-Interface for rotation speed monitor adapter module

VAZ-2T-KE4-ENC-2V45

- SSI, Sin/Cos, TTL interface

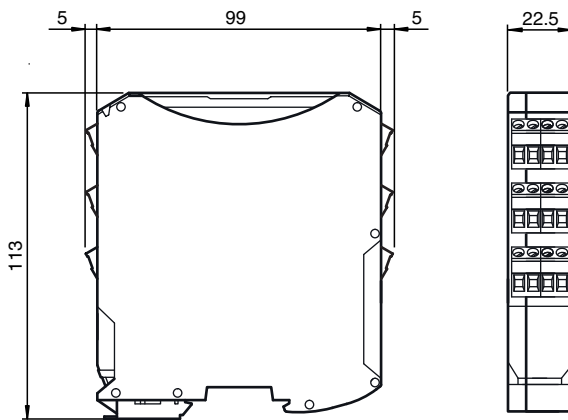
KE4 switch cabinet module for rotary encoder Adapter for 2 rotary encoder to rotation speed monitor and control panel



Function

Using the VAZ-2T-KE4-ENC-2V45 adapter module, rotary encoders and rotation speed monitors can be incorporated into the control loop feedback, without influencing the actual control system. The adapter module for connecting two rotary encoders to a rotation speed monitor and a control panel provides a separate supply for the encoders.

Dimensions



Technical Data

Electrical specifications		
Rated operating voltage	U_e	max. 40 V
Interface 1		
Interface type	Rotary encoder and control panel	
Physical	6 x 4-contact COMBICON plug	
Interface 2		
Interface type	Rotation Speed Monitor	
Physical	2 x RJ-45	
Input		
Number/Type	Two inputs for rotary encoders HTL, SinCos, TTL, SSI	
Supply	Separate for each rotary encoder	

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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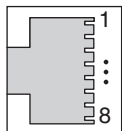
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Technical Data

Ambient conditions	
Ambient temperature	0 ... 55 °C (32 ... 131 °F)
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)
Altitude	0 ... 2000 m
Mechanical specifications	
Degree of protection	IP20
Connection	removable terminals rated connection capacity: rigid/flexible (with and without wire-end ferrules): 0.25 mm ² ... 2.5 mm ² for multiple-wire connection with two wires of equal cross-section: flexible with twin wire-end ferrules: 0.5 mm ² ... 1.5 mm ²
Material	
Housing	PA 66-FR
Mounting	DIN mounting rail

Connection



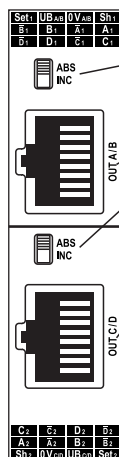
Out A/B

- 1 = $U_{B/A/B}$
- 2 = $0 V_{A/B}$
- 3 = B (ABS)
- 4 = A
- 5 = \bar{A}
- 6 = \bar{B} (ABS)
- 7 = B (INC)
- 8 = \bar{B} (INC)

Out C/D

- 1 = $U_{C/D/D}$
- 2 = $0 V_{C/D}$
- 3 = D (ABS)
- 4 = C
- 5 = \bar{C}
- 6 = \bar{D} (ABS)
- 7 = D (INC)
- 8 = \bar{D} (INC)

Assembly




- Switch for absolute values/incremental values
- Connection of rotation speed monitor signal A + B
- Connection of rotation speed monitor signal C + D




Sh ₁ , Sh ₂	Shielding
$U_{B/A/B}$, $0 V_{A/B}$	Rotary encoder supply A/B
$U_{C/D/D}$, $0 V_{C/D}$	Rotary encoder supply C/D
Set ₁ , Set ₂	Set signal (internally bridged)

Rotary encoder:	sin/cos	SSI
A ₁ , \bar{A}_1 , A ₂ , \bar{A}_2	cosinus	DATA
B ₁ , \bar{B}_1 , B ₂ , \bar{B}_2	sinus	CLK
C ₁ , \bar{C}_1 , C ₂ , \bar{C}_2	cosinus	DATA
D ₁ , \bar{D}_1 , D ₂ , \bar{D}_2	sinus	CLK
Out A/B	Rotation speed monitor signal A + B	
Out C/D	Rotation speed monitor signal C + D	

Matching System Components

	RVS58S-*****Z	Incremental rotary encoder
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Accessories

	VBP-HH1-V3.0-KIT	AS-Interface Handheld with accessory
	VAZ-PK-1,5M-V1-G	Adapter cable module/hand-held programming device
	VAZ-SW-SUITE	Combined software for configuration, diagnostics, and programming, for masters and safety monitors (type KE4, K20, K30, K31)