

KVL-KSW01

MAIN PARAMETERS

This key switch module can be used for the Poka-Yoke system, what uses AS-i network. This module acknowledges the occurring errors by using the key switch.

- Error acknowledgement with key switch.
- The module has to be used when the red light glows, then the occurring error will be acknowledged with the E7 key.
- The acknowledging unit can be connected to the AS-I network, and it has to be easily reachable for the operator.
- The module can be mounted on the TRILOGIQ shelf system with a plastic clamp.



TYPE RANGE

KVL-KSW01 Error acknowledging module with AS-I controller, with SIEMENS E7 key switch for the controllers delivered to the VW group.

KVL-KSW01-TM Error acknowledging module with AS-I controller, with Telemechanique key switch.

EXTRA ACCESSORIES

KVL-PICK006-K04 AS-I CONTACT CABLE

STRUCTURE OF TYPE NUMBERS

KVL-PICK006-K04-₁ - ₂

1. Moulded M12 socket with 2m cable:
 - I: straight plug
 - L: angled plug
2. Assembled M12 socket:
 - I: straight plug
 - L: angled plug



Type No.	Length (m)	Conductor size	[1] Moulded socket	[2] Assembled socket
KVL-PICK006-K04-I-I	2	4*0.34 mm ²	M12, socket, straight	M12, socket, straight
KVL-PICK006-K04-I-L	2	4*0.34 mm ²	M12, socket, straight	M12, socket, angled
KVL-PICK006-K04-L-I	2	4*0.34 mm ²	M12, socket, angled	M12, socket, straight
KVL-PICK006-K04-L-L	2	4*0.34 mm ²	M12, socket, angled	M12, socket, angled

The [2] assembled socket is delivered separately and has to be connected after cutting the cable (2 meters). Any further information can be found on the datasheet of cable socket. If 1-2 parameters are not defined in the order we deliver automatically KVL-PICK006-K04-L-I type.

TECHNICAL DATA

ELECTRICAL CHARACTERISTICS AND ENVIRONMENT

Power supply	U_{AUX} , AS-i
Supply voltage	18.5 V ... 31.6 V
Current limitation I_{max}	40 mA
Reverse over-potential protection	integrated
Operating temperature	-25°C ... +70°C
Storage temperature	-40°C ... +70°C
Degree of protection (EN 60 529)	IP54
EMC directives	EN 61 000-6-2, EN 61 000-6-4

AS-I DATA

	I/O	=0	=1
Data bits	D0	O1	RED LED OFF
	D1	O2	RED LED ON
	D2	I1	Not used
	D3	I2	Not used
Parameter bits	P0	Not used	
	P1	Not used	
	P2	Not used	
	P3	Not used	
Address setup	B31, changeable via bus-master or programming devices		
Programming	IO	B	
	ID	A	
	ID2	E	

CONNECTOR

M12, 4 Pole, male

Cable colours: on the basis of Euro-Norm EN 50044

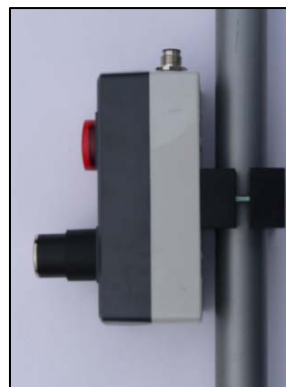
	Cable colour	
1	Brown	AS-i +
2	White	Not used
3	Blue	AS-i -
4	Black	Not used
5	Gray	Not used



FITTING INSTRUCTIONS

The module can be mounted to tubular frames with a plastic clamp. The modules are delivered with clamps for tubular frames of 28 - 28,4 mm in diameter. If other needs arise, the diameter of the tube used should be provided on order.

Tools for fitting: TORX T30.

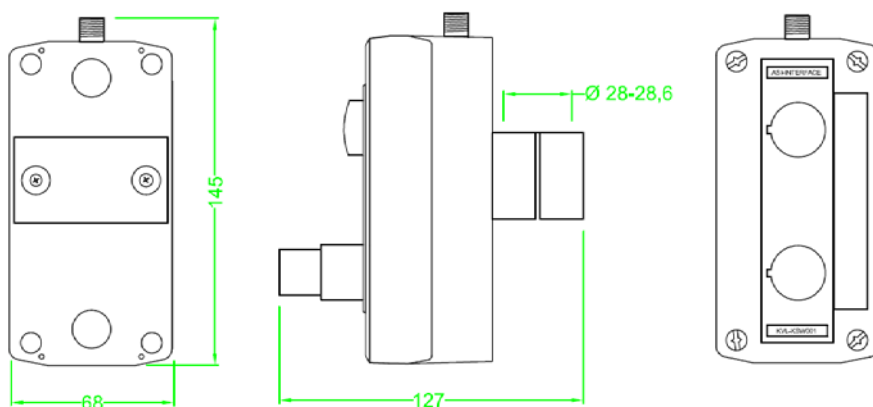


The process of mounting:

1. Remove the half of the plastic clamp from the module;
2. The switch module should be mounted and adjusted to the tubular frame to be clearly visible to the workers;
3. Fix the switch module with the other side of the clamp and screw both bold (approx. 5 Nm.);
4. Connect the module to the AS-i network (KVL-PICK006-K04, not accessory).

DIMENSIONS

[Scale in mm]



CONTACT

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