

Control Units for AS-Interface

AS-Interface is the one industrial standard for a cost-effective connection of binary sensors and actuators to a control system. This applies also to the construction of individually designed switchboards and operator control panels and to the assembly of decentralized control and signalling units.

The AS-Interface slaves have two inputs and one output to accept a T.5.5K-LED(with dimming function). Easy screwless connection by insulation piercing.

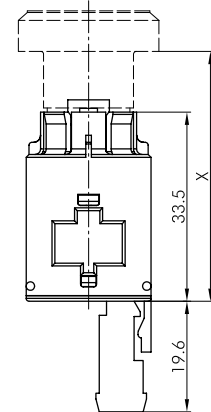
Instead of up to 6 cables, which were previously connected to one control unit, it requires now only 2 IDC-cables which lead from the control to all the assigned slaves. Up to 62 control units can be connected

to one 2-conductor cable line. This system saves work, cuts installation times, reduces the number of potential failures and can easily be changed and extended.

Due to the flexible AS-Interface network structure, the Schlegel slaves can be connected wherever you want. Each control and signalling unit at the AS-Interface line means a node with individual address.

Mounting Dimensions:

	Size X in mm	Mount. Aperture in mm
Oktron:	44.50	Ø16
Oktron-R:	44.50	Ø16
Oktron-Juwel:	50.00	23x23
RX-Juwel:	57.00	Ø22



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Control Units for AS-Interface

Characteristics:

- Certified AS-Interface slave with two input functions, one output with dimming function to accept a T5.5K-LED
 - Same size as standard QUARTRON contact blocks
 - Easy screwless connection
 - Optional topology of the AS-Interface network facilitates project work
 - Open and manufacturer-independent bus system for the lower field level of industrial automation
 - Failure-safe operation of the AS-Interface slaves from Schlegel, even under extreme environmental conditions (e.g. welding facilities, frequency converters)
 - AS-Interface Profile S-B.A.E (expanded address mode)
 - Up to 62 slaves can be connected to one single line
 - Signalling units can be dimmed in 4 steps via the AS-Interface command
 - Output with short-circuit and overload protection
 - Connection via 2-pole ID-connector (3.96mm) with lock mechanism and strain relief
 - 3-position selector and key switches are possible
- **Type: ASI_BZLII5, ASI_BZII5**

Technical Data:

- AS-Interface Profile: S-B.A.E
- AS-Interface Specification: V2.11
- Power supply : full supply through the AS-Interface line (26.5...31.6 V)
- Total power consumption: 30 mA
- Operating temperature: -25°C .. +70°C
- Signalling unit: supply through the AS-Interface line
 - rated voltage: 24 V DC (+10%)
 - max. output current: 20mA
 - socket: T5,5K
 - LED: T5,5K LED 24V/14mA, Schlegel references: L5,5k24U...
- AS-Interface Certification: 50401

I/O Data Bits:

Output			Inputs		
data Bit	Info (Interface 3)	status	data Bit	Info (Interface 3)	status
D0	0	LED on	D2	0	switch 1 not operated
	1	LED off		1	switch 1 operated
			D3	0	switch 2 not operated
				1	switch 2 operated

AS-Interface Parameter for Pulse-width Modulation of the LED:

P2	P1	P0	
1	1	1	output continuous dash (Default)
1	0	1	output 50% (PWM-frequency 125 Hz)
1	1	0	output 25% (PWM-frequency 125 Hz)
1	0	0	output 12.5% (PWM-frequency 125 Hz)

Norms and Standards

- EN50295
- AS-Interface Standard, Version 2.11 Revision 1
- UL508 applied for approval

