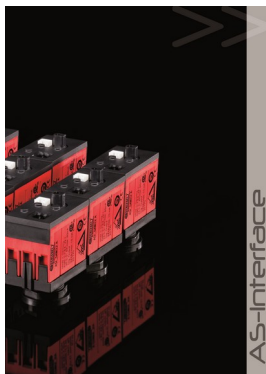


ASI_SAW_ALLE

28.10.2017

Contact Block:



AS-Interface

General Data

Type reference:	ASI_SAW16A, ASI_SAW16E, ASI_SAW22A, ASI_SAW22E,
Description:	AS-Interface Slave (Safety at Work)
Approvals:	ASI, cCSAus, TÜV_Süd, TÜV_SÜD, CE

Note

Communication

- AS-Interface specification:	V 2.1
- Slave profile:	ASI_SAWxxA S-7.B.E ASI_SAWxxE S-0.B.E
- Standby delay time:	< 1s
- Input delay:	< 5ms
- Connection:	via 2-pole IDC connector(3.96mm) with lock mechanism and strain relief type ref.: "ASI_SL2AWG18"
- Addressing: connector *)	via integrated connector or separate addressing

Ambient Conditions

- Operating temperature:	-25 °C ...+70 °C
- Humidity:	up to 95%, non-condensing
- Degree of protection/slave: IP20	
- Pollution degree:	2 (acc. to IEC 60947-1)

Electrical Data

- Operating voltage:	26.5...31,6 V, through the AS-Interface line
- Total power consumption:	ASI_SAWxxA: <= 60 mA ASI_SAWxxE: <= 50 mA
- Reverse polarity protection:	available
- Contacts:	two positive opening contacts acc. to IEC60947-5-5
- Safety integrity level:	SIL 3
- Output (not safe):	for the control of a LED *)
Rated voltage:	24 V DC (+10%)
Max. power consumption:	approx. 15mA
Short circuit/overload:	LED output
Connection cable:	type ref.: "VK_JST025BKL", "VK_JST034"

Norms and Standards

- Complete AS-Interface Specification, Version 2.11 Rev.1, V3.0 Rev. 0
- IEC 62026-2, IEC 60204-1, IEC 61508, EN 13850, IEC 60947-5-5

- TÜV Type Approval, UL/CSA Approval
- AS-Interface Certificate 62801

*) refers only to types ASI_SAW16A, ASI_SAW22A (with additional addressing connector)

Use in AS-Interface POWER24V networks:

- The Schlegel ASI slaves ASI_SAWxxE comply with the specification AS-Interface POWER24 and can also be operated at 24V.

Notes on the use in AS-Interface Power24V networks:

Requirements for the power supply unit:

1. The power supply unit must supply a PELV voltage according to IEC 61140
2. The min. DC voltage may not be lower than 21.6V (24V - 10%) and the max. DC voltage of 31V must not be exceeded.
3. The power supply unit must supply an additional current of 0.4A above the rated current in case of voltage recovery and during operation.

Master and Slaves:

All components in the network, both master and slaves, must be suitable for the operation of AS-Interface Power24V.

Network:

The network can be arranged in a free tree structure, same as on AS-Interface, but the net expansion may not exceed 50m.

Note: For operation, use earth fault monitors which are specially designed for AS-Interface Power24V.

