

# The ASI Control Concept

SCHLEGEL's ASI operational concept provides the integration of diverse combinations of SCHLEGEL control units and pilot lights in the AS-Interface system, acc. to specification 3.0.

The integrated SCHLEGEL ASI I/O-module has been designed for the modular arrangement of customised operating units or for front-panel mounting along with SCHLEGEL control units.

The operating units can be equipped with illuminated pushbuttons, 2 and 3-position selector switches or key switches, according to customers' requirements. The ASI I/O-module has been specified for 8 digital inputs and 8 dimmable, digital outputs at only one A/B address.



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## Features:

- only half an address (A/B) acc. to specification V3.0 for 8 inputs and 8 outputs
- integrated test mode to self-test the control units and pilot lights
- external fault signal possible via a signalling unit
- brightness control/dimming by a parameter request

## Mounting Possibilities

- Enclosure of the DIRL3V... und DIRL4V... type series equipped with the favoured Schlegel control units
  - Example 1:
    - enclosure type DIRL4V... with 8 control units (illuminating option)
    - connection to ASI via M12 connector
  - Example 2:
    - enclosure type DIRL3V... with 6 control units (illuminating option)
    - optional: two selector switches / emergency stops ASI Safety at Work
    - connection to ASI via M12 connector
- for front panel mounting, operator control panels
- optionally in combination with E-stops, ASI-Safety at Work
- optionally with ASI flat cable connection

## Technical Data: Schlegel AS-i I/O Module

- AS-Interface specification: V3.0, expanded address mode
- AS-Interface profile: S-7.A.7.A
- Communication protocol: CTT3 for Master M4
- Diagnostics/Fault signal: via LED / signalling unit
- Max. cycle time:  $\leq 40\text{ms}$
- Inputs: 8 inputs for control units
- Outputs: 8 outputs for signalling units max. 50mA
- Power supply: 26.5...31.6 V, through the AS-Interface line
- Total power consumption:  $\leq 220\text{ mA}$
- Operating temperature:  $-25^{\circ}\text{C} \dots +70^{\circ}\text{C}$
- Storage temperature:  $-40^{\circ}\text{C} \dots +80^{\circ}\text{C}$
- Norms and Standards: CE, IEC 62026-2