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.
The ASI Control Concept

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
- 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°C ... +70°C
- Storage temperature: -40°C ... +80°C
- Norms and Standards: CE, IEC 62026-2