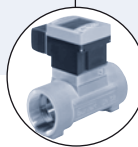


AS-Interface cable plug



- With integrated AS-Interface connection
- Quick and robust installation
- Simple commissioning and error identification with LED status display

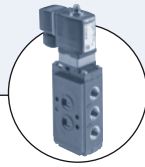
Type 2511 ASI can be combined with...



Type 8032
Sensor



Type 6213
Solenoid valve



Type 6519 NAMUR
Pneumatic valve

The ASI cable plug consist of a polyamide body with an integrated slave electronics and a connector configuration according to DIN EN 175301-803 Form A. These plugs connect binary elements with the corresponding tag connectors, e.g., valves, to the AS-interface. In addition, feedback signals can be received by the variants with the M12 socket in the cover. With the M12 connectors, the installation times are quick and the electrical connection is simple.

The advantages with ASI cable plug

- Robust and quick installation according to the AS-interface specification.
- LED status displays facilitate commissioning and fault finding.
- Bus supply: Transmission of signals and supply voltage on a common line.
- External supply: transmission of signals and supply voltage on separate lines (such as Emergency Stop or elements with high current consumption).

Mechanical data	
Body material	Polyamide
Body cover	Polysulphone, translucent
Contact material	Brass, electro-silver-plated
Contact distance	18 mm
General data	
Operational display LED	yellow or green
Watchdog function	integrated
Ambient temperature	0 to +50 °C
Soiling level	3 acc. to DIN VDE 0110 part 1
Protection class	IP65
Certification	trough AS Internal Association (no. 32001, 32002)
Electrical data	
Operating voltage	29.5 - 31.5 V acc. to ASI specifications
Max. current	from the AS-Interface
Electronics	only 10 mA
Bus-supplied	300 mA (electronics, valves, sensors)
External supplied	80 mA (electronics, sensors)
Electrical connection	
on cable	M12 plug
device side	Cable plug for tag connector acc. to DIN EN 175301-803 Form A
M12 socket	4-pin for feedback device
Output voltage	24 V ±10 %
Outputs	
max. output current	short-circuit proof
bus supplied	205 mA, without inputs
	125 mA, with inputs
external supply	700 mA
Outputs	
max. switching power	
Bus-supplied	5 W without inputs, 3 W with inputs
External supplied	15 W

continued on next page





Electrical data, continued	
Inputs	optional
Input connection	3-wire voltage sensors PNP 2-wire voltage sensors
Supply voltage	
Sensor	24 V ±20 % over ASI
max. sensor current	60 mA for 2 sensors (for example 30 mA for each)
High signal	≥10 V
Low signal	≤1.5 mA
max. sensor current	≤6.5 mA

Ordering chart ASi-Interface cable plug (further versions on request)

Voltage	Receptacle for feedback element via M12 socket	Item no.
Bus supplied	without	142 695
	with	142 694
External supply	without	142 690
	with	142 691

All layout diagrams for appliance sockets acc. to DIN EN 175301-803 Form A.
The delivery of an AS-Interface appliance socket includes the seal and the fixing screw.

Ordering chart accessories

	Designation	Usage	Item no.
	M12 T-Connector	For the connection of the bus-supplied appliance socket to the AS-Interface (yellow ribbon cable)	787 350
	AS-Interface tap with 2 m round cable (2x1.5 mm ²)	Connection for the AS-Interface ribbon cable via the round cable (bus-supplied)	784 756
	AS-Interface tap with 1.5 m round cable (5x0.5 mm ²)	Connection for the yellow and black AS-Interface ribbon cable via round cable	784 758
	M12 plug with PG7 screw fitting; 5-pole	Plugs always in connection with one the AS-Interface taps ordering	917 116

Other accessories on request:

- Y-shaped distributor for connection of the feedback element (2M8 to M12 and/or M12 to M12) in various lengths
- AS-Interface ribbon cable
- AS-Interface Master, Gateways
- AS-Interface power units

LED status display

Display	LED colour	LED status	Information
OUT	yellow	off	not switched
		on	switched
BUS	green	off	Power OFF
		on	OK
		blinking	Slave Adress 0
IN 1 / IN2 (Inputs LED)	yellow	off	not switched
		on	switched
Ext. Power	green	on	24 V Power supply

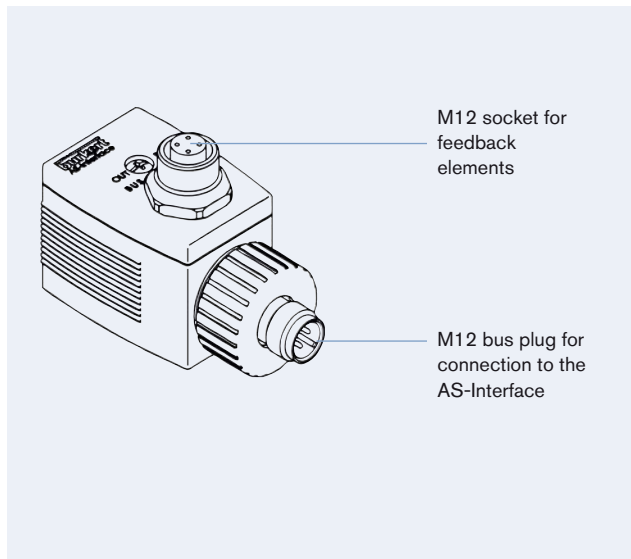
Programming data

Parameter	Coding
I/O configuration	B hex (1 output, 2 inputs)
ID code	F hex
Preset address	0

Assignment of the data bits

Data bit	Assign	Remarks
D3	IN1	Model with acceptance of feedback elements
D2	IN2	Model with acceptance of feedback elements
D1	-	
D0	OUT	

AS-Interface socket with M12 bus plug



PIN configuration of M12 bus plug

- 1 AS-Interface+
- 2 0 V ¹⁾
- 3 AS-Interface-
- 4 24 V ¹⁾

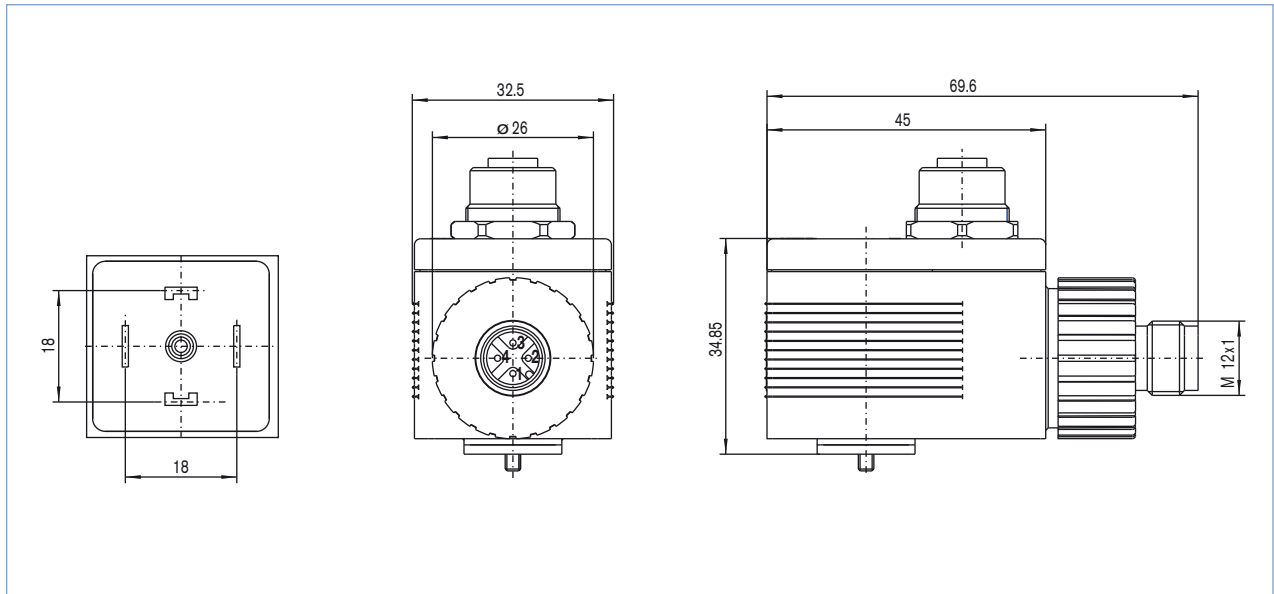
¹⁾ only for externally supplied appliance sockets

PIN configuration of M12 socket for feedback elements

- 1 +24 V
- 2 Sensor 2
- 3 0 V
- 4 Sensor 1

Dimensions [mm]

Appliance socket, with receptacle for feedback element, with translucent cover



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