



Technical data of standard variant

Position detecting	Sensors
Casing material	PPO
Ambient temperature	–20 to +60 °C
Control air	Pressure range 2 to 8 bar
	Standard acc. ISO 8573-1:2010
	Solid particle content Quality class 6
	Water content Quality class 4
	Oil content Quality class 3
Size air connections	Metric 6/4 mm, inch 6.35/4.31 mm (1/4")
Protection class	IP 66
Noise level via exhaust air throttle	max. 72 dB
Visualization	LED (green/yellow)

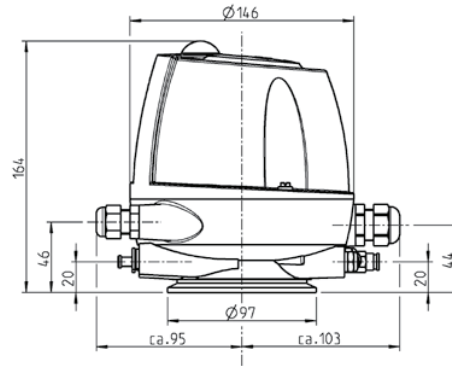
Certificates



Certificates (optional)



- CSA C22.2
- UL 429



Interface module	AS-Interface Bus	DeviceNet
Power Supply		
Nominal supply voltage	23.5–31.6 V DC	21–26 V DC
No-load current	≤ 62 mA	≤ 58 mA (bei 24 V DC)
Max. power input	225 mA	235 mA
Reverse voltage protection	Yes	Yes
Specifications	AS-i V2.11 (max. 62 slaves with master V2.11)	ODVA conforming
Additional information	ID.ID2.IO-Code: 7.A.E	EDS-File: F1022_R4.eds
Certificate	AS-i Association/CE/cCSAus	ODVA/CE
Inputs		
Feedback "Start position"	Data bit DI 0	Data bit DI 0
Feedback "End position"	Data bit DI 1	Data bit DI 1
Feedback "Seat-lift position" (ext. NI)	Data bit DI 2	Data bit DI 2
Common fault		Data bit DI 7
Outputs		
Activation "PV Y1"	Data bit DO 0	Data bit DO 0
Activation "PV Y2"	Data bit DO 1	Data bit DO 1
Activation "PV Y3"	Data bit DO 2	Data bit DO 2

Position	Description of order code
1	Location of feedback
	TM1. Control module T.VIS® M-1
2	Control module type
	N Without solenoid valve
	P 1 solenoid valve Y1
	R 1 solenoid valve Y1 (retro-fittable: Y2, Y3)
	I 2 solenoid valves Y1, Y2 (retro-fittable: Y3)
	J 2 solenoid valves Y1, Y3 (retro-fittable: Y2)
	L 3 solenoid valves Y1, Y2, Y3
3	Feedback
	2 2 feedbacks
4	Interface module
	A AS-Interface bus
	D DeviceNet
5	Solenoid valve
	A 24 V DC, 0.85 W
	0 None
6	Connection
	A Metric air connection, M20×1.5 cable connection with connection box on cable 1 m (AS-i)
	S Inch air connection, M20×1.5 cable connection with connection box on cable 1 m (AS-i)
	L Metric air connection, 2-pin connector (M12) (AS-i)
	U Inch air connection, 2-pin connector (M12) (AS-i)
	D Metric air connection, 5-pin connector (M12) (DeviceNet)
	K Inch air connection, 5-pin connector (M12) (DeviceNet)
	Options (multiple selection possible)
	/18 Air supply throttle: Controls opening speed of the valves
	/19 Exhaust air throttle: Controls closing speed of the valves
	/22 5-pin plug (M 12) for connections L, U, D, K (A-coded, Article No. 508-963)
	/43 Material PA 12/L: UV resistant, oil and fat resistant
	/67 Protection class IP 67
	/81 AS-i connection box on cable 1 m with M12 plug (Article No. 508-027) for connections L, U
	/82 AS-i connection box on cable 2 m with M12 plug (Article No. 508-028) for connections L, U
	/UC Certification UL/CSA

The code is composed as follows, depending on the chosen configuration:

Position	1	2	3	4	5	6	Options					
Code	TM1.											