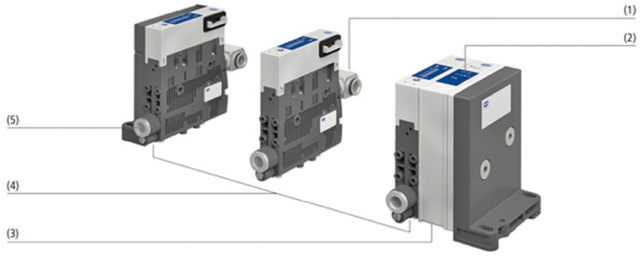
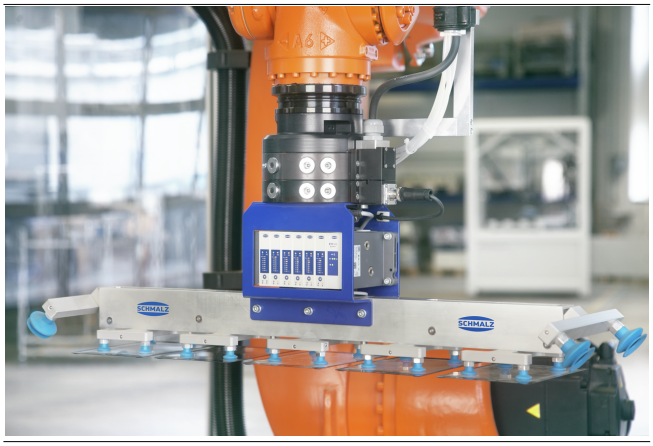
Compact Terminals SCTSi IO-Link

Suction rate from 32 l/min to 1,072 l/min

Compact Terminals SCTSi IO-Link



System design Compact Terminals SCTSi IO-Link



Compact terminal SCTSi IO-Link when handling body panels

Suitability for industry specific applications

Applications

- Compact terminal for simultaneous, independent handling of different parts with only one vacuum system
- Handling of airtight and slightly porous workpieces
- Central unit for vacuum generation, control and monitoring
- Integration into fully automated handling and production systems

Design

- Lean and central compressed air supply (1)
- NFC chip (2) for reading and writing process information
- Central energy supply and IO-Link connection M12, 5-pin, using the control module (3)
- Vacuum connections (5) using threaded connectors
- Compact vacuum terminal consisting of up to 16 blocked compact ejectors (4)

Product highlights

- Central compressed air and power supply for up to 16 ejectors
- Direct connection to the controller via only one data line
- Modular design with different, individually controllable vacuum circuits for handling different workpieces
- Easy configurability of process and device parameters via IO-Link or NFC
- Reduction of compressed air consumption by up to 80 % thanks to automatic air saving function

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Ordering data Compact Terminals SCTSi IO-Link

Type	Part no.
SCTSi-IOL 4	10.02.02.06584
SCTSi-IOL 4	10.02.02.06588
SCTSi-IOL 8	10.02.02.06592
SCTSi-IOL 8	10.02.02.06596

Ordering data Spare parts Compact Terminals SCTSi IO-Link

Spare parts		Part no.
Silencer insert (round)	SD-EINS 15x16.5 SD	10.02.02.04141
Exhaust air set	ABL-SET SCPSt einstufig	10.02.02.05661
Sieve, round	SIEB 11x2 X-5 0.415/0.22	10.02.02.04404
Set of parts subject to wear ejector	VST SCPS-einstuf-SD	10.02.02.04737

Ordering data Accessories Compact Terminals SCTSi IO-Link

Accessories		Part no.
Vacuum filter (inline)	VFI CN8/6 50	10.07.01.00245
Vacuum cup filter	VFT G1/8-IG 80	10.07.01.00116
Mounting set	SET SCPS	10.02.02.04343
Exhaust air set	ABL-SET SCPS einstufig	10.02.02.04216
Top-hat rail clamp comp.	HUT-SN-KL 75x18x9 SCPS	10.02.02.04149

Spare parts		Part no.
Connection cable, M12 5-pole, M12 5-pole, 1 m, PUR, straight	ASK B-M12-5 1000 S-M12-5	21.04.05.00158
Connection cable, M12 5-pole, M12 5-pole, 2 m, PUR, straight	ASK B-M12-5 2000 S-M12-5	21.04.05.00211
Connection cable, M12-5 connector, M12-5 plug, 5 m, PUR, straight	ASK B-M12-5 5000 S-M12-5	21.04.05.00266

Technical data Compact Terminals SCTSi IO-Link

Type	Communication	Number of ejectors	Ejektortyp 1	Produktschlüssel	Weight [kg]
SCTSi-IOL 4	IO-Link	4	SCPSt 15 G02 NO	SCTSi-IOL-4-AB-4C7A	1.13
SCTSi-IOL 4	IO-Link	4	SCPSt 15 G02 NC	SCTSi-IOL-4-AB-4C7N	1.13
SCTSi-IOL 8	IO-Link	8	SCPSt 15 G02 NO	SCTSi-IOL-8-AB-8C7A	1.96
SCTSi-IOL 8	IO-Link	8	SCTSi 15 G02 NC	SCTSi-IOL-8-AB-8C7N	1.96

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Compact Terminals SCTSi IO-Link

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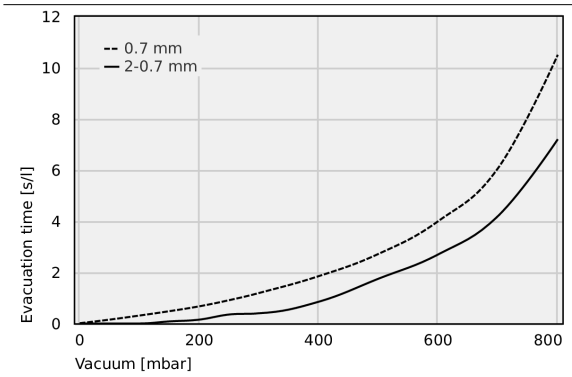
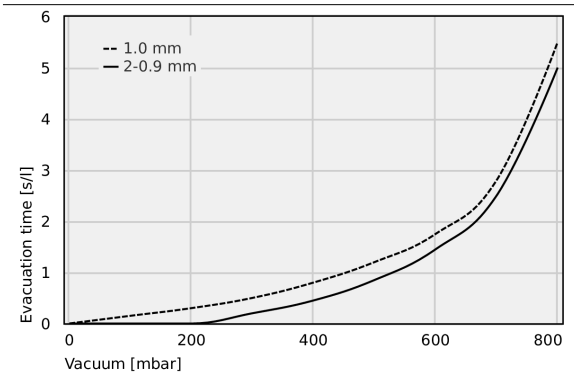
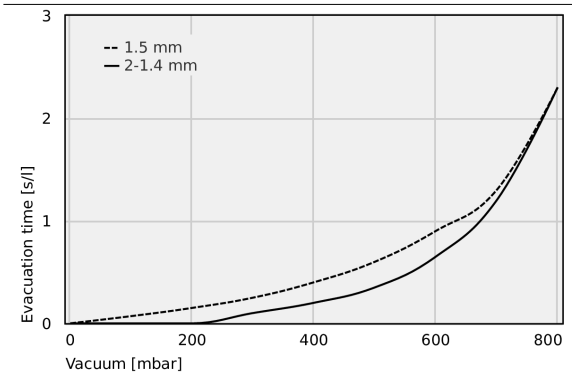
Performance data Compact Terminals SCTSi IO-Link



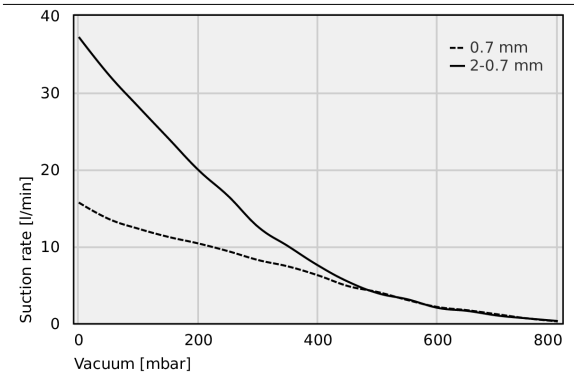
Evacuation times for various vacuum ranges [s/l]



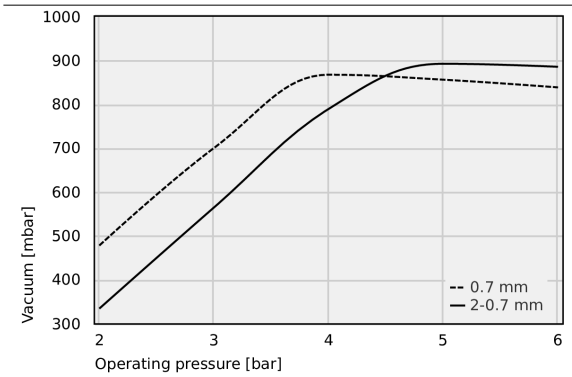
Evacuation times for various vacuum ranges [s/l]



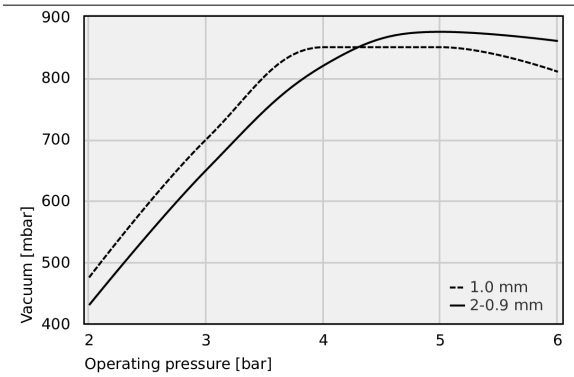
Evacuation times for various vacuum ranges [s/l]



Suction rate at various degrees of evacuation [l/min]



Achievable vacuum at various operating pressures



Achievable vacuum at various operating pressures

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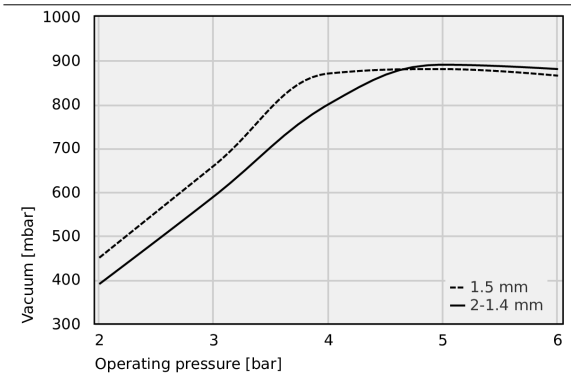
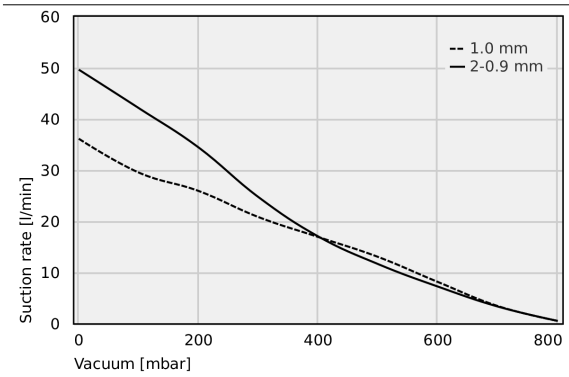
Compact Terminals SCTSi IO-Link

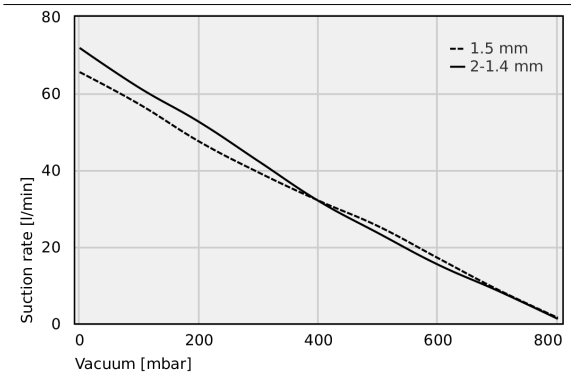
Suction rate from 32 l/min to 1,072 l/min



Achievable vacuum at various operating pressures



Suction rate at various degrees of evacuation [l/min]



Suction rate at various degrees of evacuation [l/min]

Evacuation times for various vacuum ranges [s/l]

Typ	0	50	100	150	200	250	300	400	500	600	700	800
0.7 mm	0.01	0.15	0.31	0.48	0.67	0.91	1.19	1.85	2.72	4.00	6.07	10.5
2-0.7 mm	0.00	0.00	0.00	0.08	0.15	0.35	0.4	0.85	1.75	2.7	4.2	7.2

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Compact Terminals SCTSi IO-Link

Suction rate from 32 l/min to 1,072 l/min

Typ	0	100	200	300	400	500	600	700	800
1.0 mm	-	0.15	0.3	0.5	0.8	1.2	1.75	2.8	5.5
2-0.9 mm	-	-	-	0.2	0.45	0.85	1.45	2.5	5

Typ	0	100	200	300	400	500	600	700	800
1.5 mm	-	0.07	0.15	0.25	0.4	0.6	0.9	1.3	2.3
2-1.4 mm	-	-	-	0.1	0.2	0.35	0.65	1.2	2.3

Suction rate at various degrees of evacuation [l/min]

Typ	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
0.7 mm	15.69	13.56	12.28	11.22	10.37	9.36	8.21	7.38	6.22	4.83	4.05	3.00	2.11	1.69	1.16	0.63	0.25
2-0.7 mm	37.2	32.30	28.10	24.00	19.90	16.50	12.50	10.00	7.50	5.40	3.90	3.10	2.00	1.60	1.00	0.63	0.30

Typ	0	100	200	300	400	500	600	700	800
1.0 mm	36.1	29.5	25.9	20.8	16.9	13	8.1	3.4	0.5
2-0.9 mm	49.6	42.1	34.4	24.7	17.0	11.6	7.2	3.3	0.5

Typ	0	100	200	300	400	500	600	700	800
1.5 mm	65.5	57.1	47.4	39.3	32	25.3	17	8.8	1.5
2-1.4 mm	71.8	61.4	52.5	42.2	31.9	23.5	15.3	8.5	1.2

Achievable vacuum at various operating pressures

Typ	2	3	4	5	6
0.7 mm	477.81	700.18	867.18	855.86	838.29
2-0.7 mm	334.00	564.57	789.19	892.20	885.26

Typ	2	3	4	5	6
1.0 mm	475	700	850	850	810
2-0.9 mm	430	650	820	875	860

Typ	2	3	4	5	6
1.5 mm	450	660	870	880	865
2-1.4 mm	390	590	800	890	880

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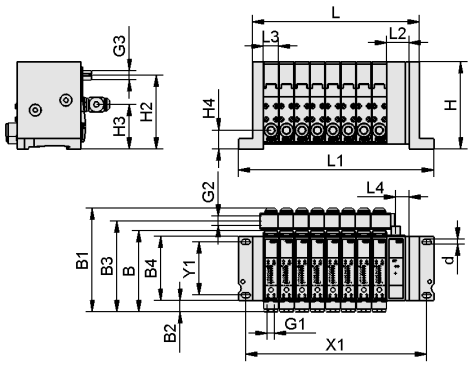
Design data Compact Terminals SCTSi IO-Link



SCTSi-IOL

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Compact Terminals SCTSi IO-Link

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Design data Compact Terminals SCTSi IO-Link

Type	B [mm]	B1 [mm]	B2 [mm]	B3 [mm]	B4 [mm]	d [mm]	G1	G2	G3	G4	G5	H [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	X1 [mm]	Y1 [mm]
SCTSi-IOL 4	97.3	125	13.5	109	77	6	G1/8"-F	G1/4"-F	M12x1-M	M12x1-M	M12x1-F	105.0	88.5	53.5	22.5	126.2	160.2	27	18.5	16	27	143.2	64
SCTSi-IOL 8	97.3	125	13.5	109	77	6	G1/8"-F	G1/4"-F	M12x1-M	M12x1-M	M12x1-F	105.0	91.5	56.5	22.5	200.7	234.7	27	18.5	16	27	217.7	64

Multimedia product presentation

Medium	Link
Product video	https://vimeo.com/267546700 https://vimeo.com/408410104

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