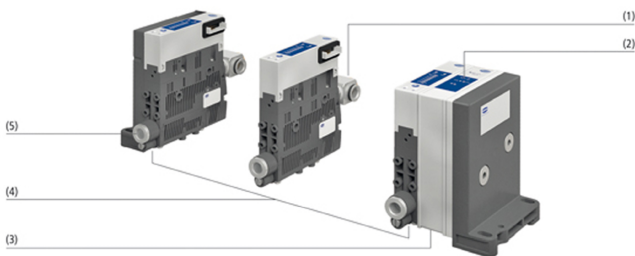


Compact Terminals SCTSi Ethernet

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



Compact Terminals SCTSi Ethernet



System design Compact Terminals SCTSi Ethernet



Compact terminal SCTSi Ethernet in the handling of batteries

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 Ethernet connection M12 5-pin via the control module (3)
- Vacuum connections (5) using threaded connectors
- Compact vacuum terminal consisting of up to 16 blocked compact ejectors (4)













Product highlights

- Direct communication with the system controller via Ethernet interface (EtherCat, EtherNet/IP or ProfiNet)
- NFC interface allows diagnosis and parameterization via smartphone
- Central compressed air and power supply for up to 16 ejectors minimizes hosing effort
- Individually controllable vacuum circuits allow handling of different parts
- Condition monitoring for predictive maintenance and increased plant efficiency

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Ordering data Compact Terminals SCTSi Ethernet

Type	Part no.
SCTSi-ECT 4	10.02.02.06585 
SCTSi-ECT 4	10.02.02.06589 
SCTSi-EIP 4	10.02.02.06586 
SCTSi-EIP 4	10.02.02.06590 
SCTSi-PNT 4	10.02.02.06587 
SCTSi-PNT 4	10.02.02.06591 
SCTSi-ECT 8	10.02.02.06593 
SCTSi-ECT 8	10.02.02.06597 
SCTSi-EIP 8	10.02.02.06594 
SCTSi-EIP 8	10.02.02.06598 
SCTSi-PNT 8	10.02.02.06595 
SCTSi-PNT 8	10.02.02.06600 

Ordering data Spare parts Compact Terminals SCTSi Ethernet

Spare parts	Part no.
Silencer insert (round)	SD-EINS 15x16.5 SD 10.02.02.04141
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 Ethernet

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
Exhaust air set	ABL-SET SCPS-einstufig 10.02.02.05661
Mounting set	SET SCPS 10.02.02.04343
Top-hat rail clamp comp.	HUT-SN-KL 75x18x9 SCPS 10.02.02.04149

Accessories	Part no.
Power cable, M12-5 plug, M12-5 connector, 1.5 m, PUR, straight	P-LEIT-LK S-M12-5 1.5m B-M12-5 21.04.05.00606
Power cable, M12-5 plug, M12-5 connector, 3 m, PUR, straight	P-LEIT-LK S-M12-5 3m B-M12-5 21.04.05.00607
Power cable, M12-5 connector, 1.5 m, PUR, straight	P-LEIT-LK B-M12-5 1.5m OK 21.04.05.00351
Power cable, M12-5 socket, 5 m, PUR, straight	P-LEIT-LK B-M12-5 5m OK 21.04.05.00352
Connection cable, M12-4 plug D-code, M12-4 plug D-code, 1 m, PUR, straight	ASK S-M12-4-D 1000 S-M12-4-D 21.04.05.00353
Network cable Ethernet, M12-4 plug D-code, M12-4 plug D-code, 5 m, PUR, straight	NETZ-KA-M12-DK 5m 21.04.05.00354
Connection cable, M12-4 plug D-code, RJ-45, 1 m, PUR, straight	ASK S-M12-4-D 1000 RJ-45 21.04.05.00355
Connection cable, M12-4 plug D-code, RJ-45, 5 m, PUR, straight	ASK S-M12-4-D 5000 RJ-45 21.04.05.00356

Compact Terminals SCTSi Ethernet

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

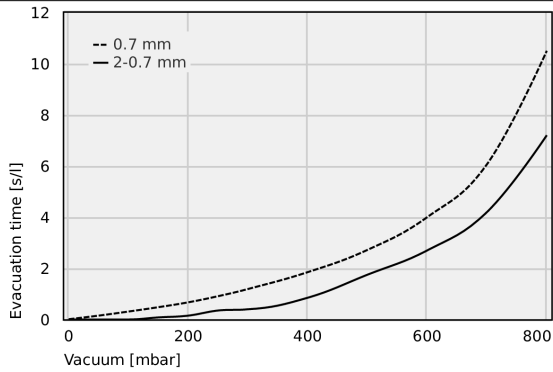
Technical data Compact Terminals SCTSi Ethernet

Type	Communication	Number of ejectors	Ejektortyp 1	Produktschlüssel	Weight [kg]
SCTSi-ECT 4	Ethercat	4	SCPS _t 15 G02 NO	SCTSi-ECT-4-AB-4C7A-00	2
SCTSi-ECT 4	Ethercat	4	SCPS _t 15 G02 NC	SCTSi-ECT-4-AB-4C7N-00	2
SCTSi-ECT 8	Ethercat	8	SCTSi 15 G02 NO	SCTSi-ECT-8-AB-8C7A-00	2
SCTSi-ECT 8	Ethercat	8	SCTSi 15 G02 NC	SCTSi-ECT-8-AB-8C7N-00	2
SCTSi-EIP 4	EtherNet/IP	4	SCPS _t 15 G02 NO	SCTSi-EIP-4-AB-4C7A-00	2
SCTSi-EIP 4	EtherNet/IP	4	SCPS _t 15 G02 NC	SCTSi-EIP-4-AB-4C7N-00	2
SCTSi-EIP 8	EtherNet/IP	8	SCTSi 15 G02 NO	SCTSi-EIP-8-AB-8C7A-00	2
SCTSi-EIP 8	EtherNet/IP	8	SCTSi 15 G02 NC	SCTSi-EIP-8-AB-8C7N-00	2
SCTSi-PNT 4	Profinet	4	SCPS _t 15 G02 NO	SCTSi-PNT-4-AB-4C7A-00	2
SCTSi-PNT 4	Profinet	4	SCPS _t 15 G02 NC	SCTSi-PNT-4-AB-4C7N-00	2
SCTSi-PNT 8	Profinet	8	SCTSi 15 G02 NO	SCTSi-PNT-8-AB-8C7A-00	2
SCTSi-PNT 8	Profinet	8	SCTSi 15 G02 NC	SCTSi-PNT-8-AB-8C7N-00	2

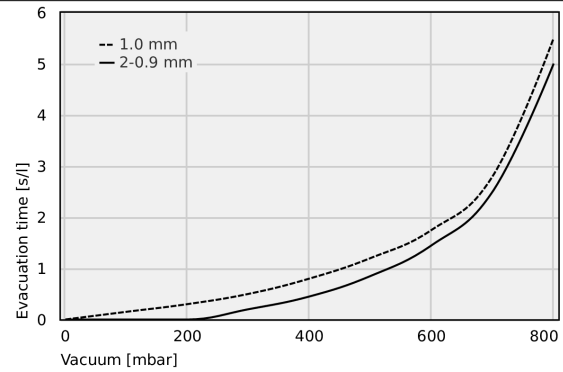
Compact Terminals SCTSi Ethernet

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

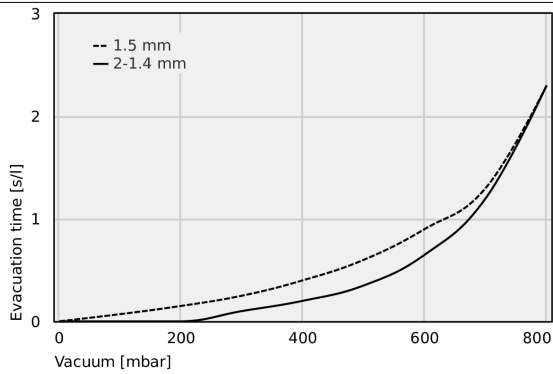
Performance data Compact Terminals SCTSi Ethernet



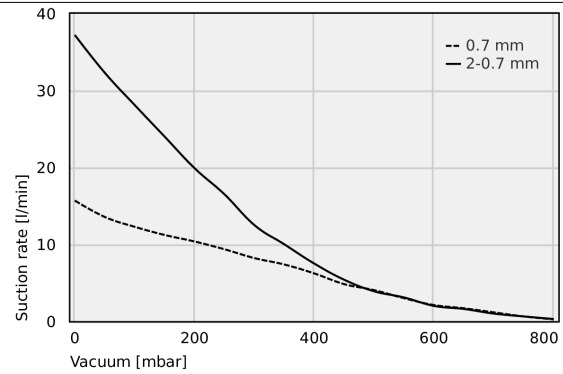
Evacuation times for various vacuum ranges [s/l]



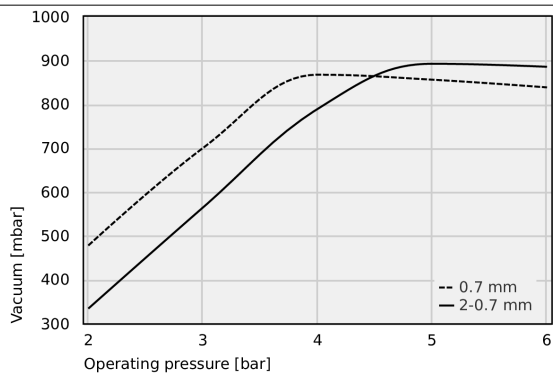
Evacuation times for various vacuum ranges [s/l]



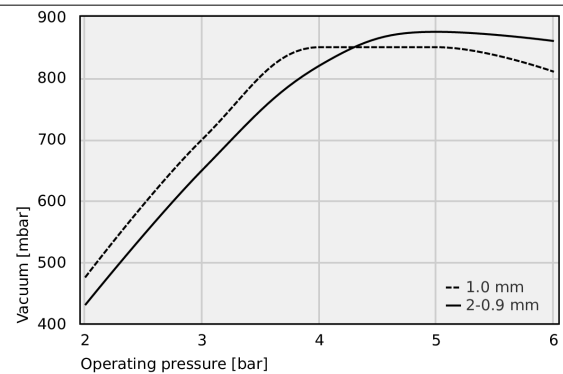
Evacuation times for various vacuum ranges [s/l]



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



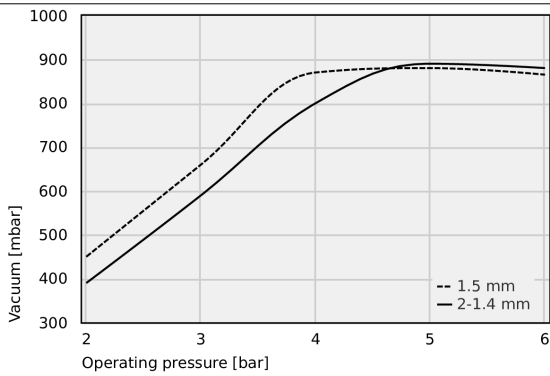
Achievable vacuum at various operating pressures



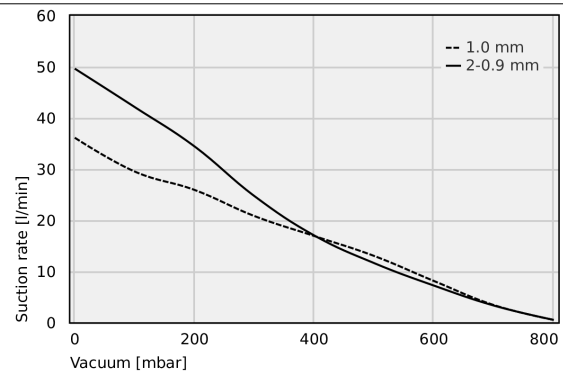
Achievable vacuum at various operating pressures

Compact Terminals SCTSi Ethernet

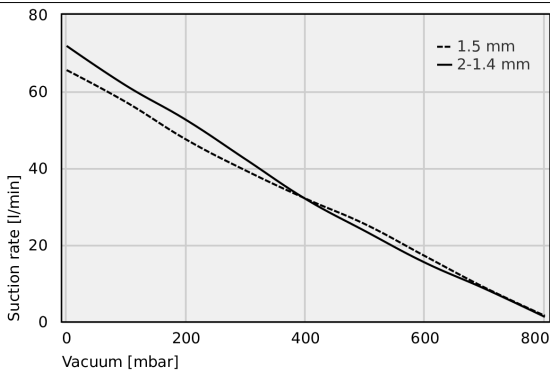
Suction rate from 32 l/min to 1,072 l/min



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

Compact Terminals SCTSi Ethernet

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

Design data Compact Terminals SCTSi Ethernet

Type	B	B1	B2	B3	B4	d	G1	G2	G3	G4	G5	H	H2	H3	H4	L	L1	L2	L3	L4	L5	X1	Y1
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]						[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
SCTSi-ECT 4	97.3	125	13.5	109	77	6	G1/8"-F	G1/4"-F	M12x1-M	M12x1-M	M12x1-F	105	88.5	53.5	22.5	126.2	160.2	27	18.5	16	27	143.2	64
SCTSi-EIP 4	97.3	125	13.5	109	77	6	G1/8"-F	G1/4"-F	M12x1-M	M12x1-M	M12x1-F	105	88.5	53.5	22.5	126.2	160.2	27	18.5	16	27	143.2	64
SCTSi-PNT 4	97.3	125	13.5	109	77	6	G1/8"-F	G1/4"-F	M12x1-M	M12x1-M	M12x1-F	105	88.5	53.5	22.5	126.2	160.2	27	18.5	16	27	143.2	64
SCTSi-ECT 8	97.3	125	13.5	109	77	6	G1/8"-F	G1/4"-F	M12x1-M	M12x1-M	M12x1-F	105	91.5	56.5	22.5	200.7	234.7	27	18.5	16	27	217.7	64
SCTSi-EIP 8	97.3	125	13.5	109	77	6	G1/8"-F	G1/4"-F	M12x1-M	M12x1-M	M12x1-F	105	91.5	56.5	22.5	200.7	234.7	27	18.5	16	27	217.7	64
SCTSi-PNT 8	97.3	125	13.5	109	77	6	G1/8"-F	G1/4"-F	M12x1-M	M12x1-M	M12x1-F	105	91.5	56.5	22.5	200.7	234.7	27	18.5	16	27	217.7	64

Multimedia product presentation

Medium
Product video

Link
<https://vimeo.com/408410104>