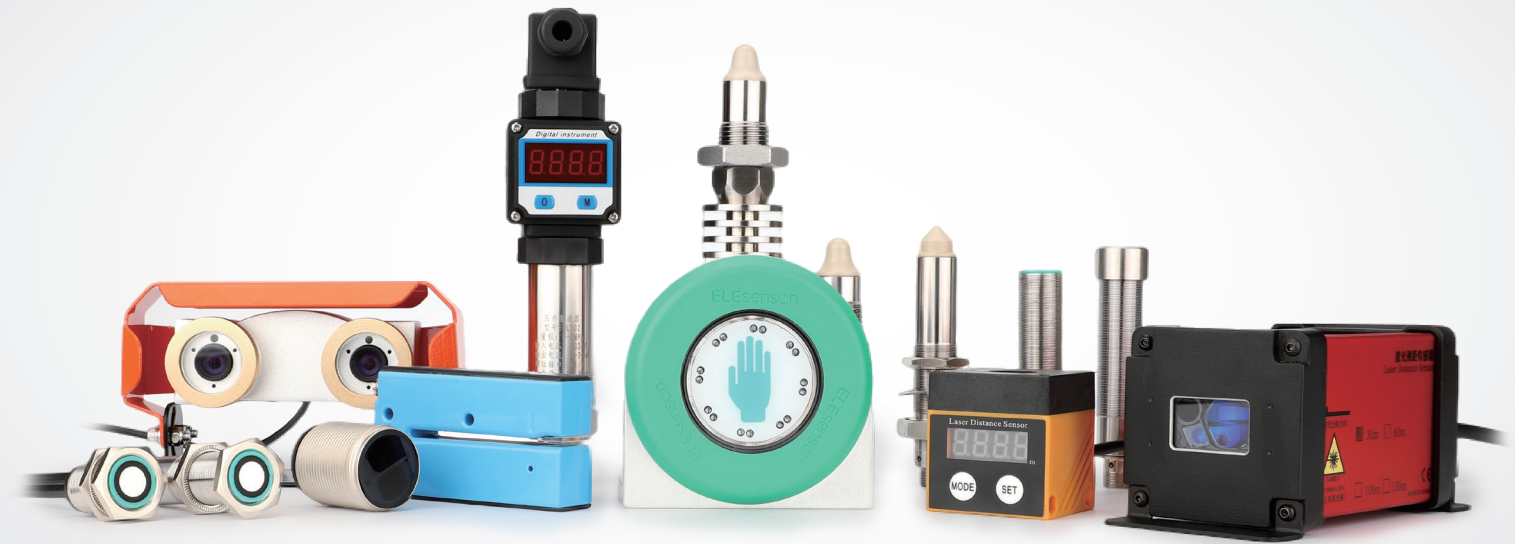


ELEsenson Sensor



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WeChat



Taobao Store



Alibaba Store

Zhejiang ELEsenson Sensors Co., Ltd.



Sensor Customization Expert

Full Specifications, Full Series, Full Applications

Sensor Solution Design Manufacturer

Focus on delivering perfect solutions for high-difficulty and high-demand projects

Professional Sensor Manufacturer

R&D and manufacture a full range of high-reliability sensor products to meet the needs of diverse industries

CLT Series

Touch Switch



— Product Brief

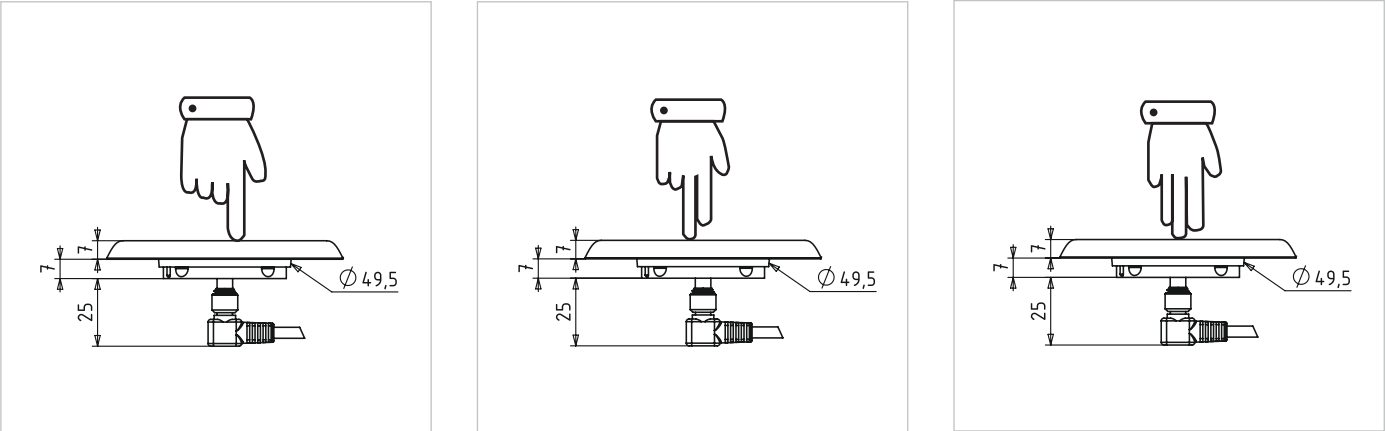
ELEsenson ELE Touch Switch adopts a capacitive design, featuring simple operation, exceptional durability, and an ultra-long service life. Its robust structure and 100% waterproof & oil-proof properties enable it to withstand extremely harsh working environments, including various severe weather conditions.

The CLT Series offers a wide range of options in models, materials, connection methods, accessories, installation depths, and compliance with specific standards and requirements. With extremely broad application fields, it covers nearly all industries. Notably, products meeting high hygiene standards feature stainless steel and tempered glass housings, making them ideal for industries such as healthcare, food and beverage.

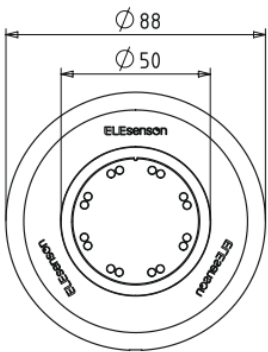
— Features

- **Touch Control**
Easy to operate, no pressure required
- **Durable**
The switch cycle life reaches hundreds of millions of times
- **Diverse Options**
Covers multiple aspects including contact surface size, housing material, and appearance design
- **IP69K Waterproof and Oil-Proof Rating**
The product adopts advanced technology and high-quality materials to achieve an integrated molding design.
- **Impact-Resistant and Vandal-Proof**
Can effectively resist damage caused by flames and impacts
- **Multiple Feedback Methods**
Including light feedback (16 LED lights), sound feedback (signal tone), and tactile feedback (vibration)
- **Customized Personalization Service**
We offer a variety of pattern and logo options, and fully support customers' comprehensive personalized customization needs.

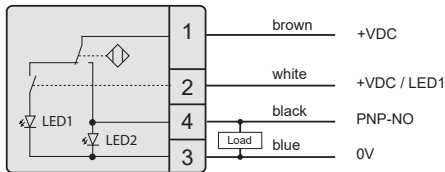
— Sensitivity



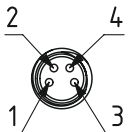
CLT01 Series



Wiring Diagram



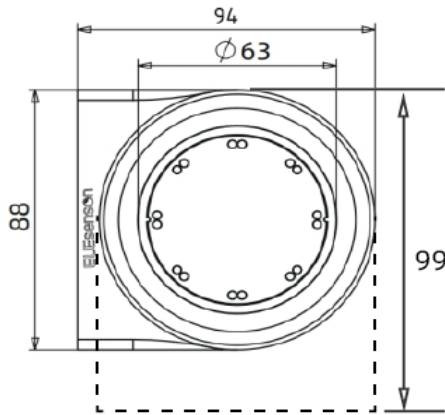
Connector



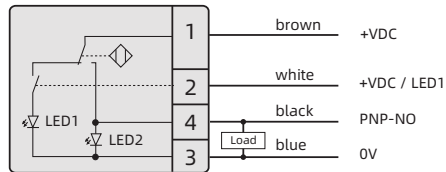
Technical Parameters

Model	ECLT01-156P-SS	ECLT01-156N-SS
	ECLT01-156P-SSST	ECLT01-156N-SSST
Operating Voltage	DC 24 V(16.8...32 V)	
Withstand Current	Max.200 mA	
Output	PNP-NO	
Output Signal	Continuous output when triggered	
LED 1	8 green LEDs	
LED 2	8 red LEDS	
Reverse Polarity Protection	Wrong connection protection for all wires	
Short-Circuit Protection	Equipped with short-circuit and overload protection	
Voltage Drop	Max 2.5V at 200mA current	
Current Consumption	Max 30mA at 24V voltage	
Operating Temperature	-30.+80°C	
Protection Rating	IP69K protection rating for operating area	
Operation Mode	Capacitive	
Operating Pressure	No pressure required	
Sensitivity	Customizable	
Brightness	Customizable	
Pattern	Customizable	

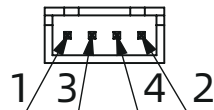
CLT02系列



Wiring Diagram



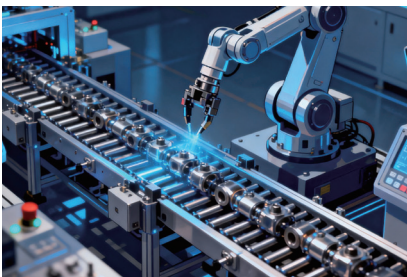
Connector



技术参数

Model	ECLT02-103P-SS	ECLT01-103N-SS
	ECLT02-103P-SSST	ECLT01-103N-SSST
Operating Voltage	DC 24 V(16.8...32 V)	
Withstand Current	Max.200 mA	
Output	PNP-NO	
Output Signal	Continuous output when triggered	
LED 1	8 green LEDs	
LED 2	8 red LEDS	
Reverse Polarity Protection	Wrong connection protection for all wires	
Short-Circuit Protection	Equipped with short-circuit and overload protection	
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Protection Rating	IP69K protection rating for operating area	
Operation Mode	Capacitive	
Operating Pressure	No pressure required	
Sensitivity	Customizable	
Brightness	Customizable	
Pattern	Customizable	

— Application Fields



Industrial Automation



Automotive Industry



Equipment and Mechanical Engineering



Transportation

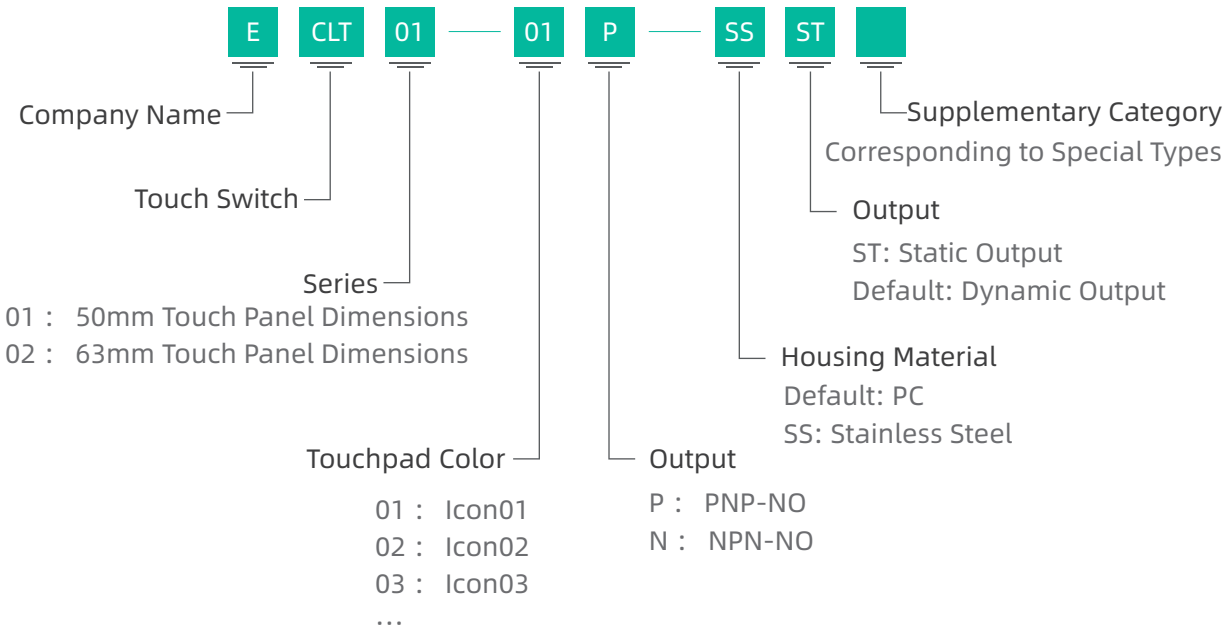


Public Sector



Communications Sector

— Product Selection Table



— Pattern Customization

01	02	03	04	05
START	STOP	ON OFF	RESET	
06	07	08	09	10
		START	STOP	RESET
11	12	13	14	15
16	17	18	19	20
		0	1	2
21	22	23	24	25
3	4	5	6	7
26	27	28	29	30
8	9	10	11	12

31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60

61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90

91	92	93	94	95
96	97	98	99	100
101	102	103	104	105
106	107	108	109	110
111	112	113	114	115
116	117	118	119	120

121	122	123	124	125
126	127	128	129	130
131	132	133	134	135
136	137	138	139	140
141	142	143	144	145
146	147	148	149	150

151	152	153	154	155
156	157	158	159	160
161	162	163	164	165
166	167	168	169	170
171	172	173	174	175
176	177	178	179	180

181	182	183	184	185
186	187	188	189	190
191	192	193	194	195
196	197	198	199	200
201	202	203	204	205
206	207	208	209	210





APPLICATIONS CASES

Application Cases



Application of Touch Switches in Coaches



Application of Touch Switches in Coaches



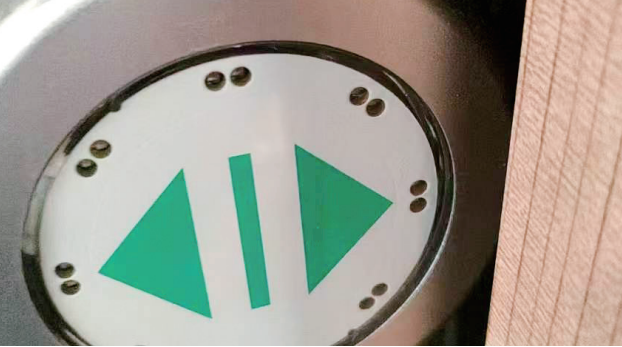
Application of Touch Switches in High-Speed Trains



Application of Touch Switches in High-Speed Trains



Application of Touch Switches in Doors



Application of Touch Switches in Doors



Application of Touch Switches in Equipment



Application of Touch Switches in Equipment



Application of Touch Switches in High-Speed Trains

CORE ADVANTAGES

Core Advantages



A Professional and High-Efficiency Team

The company boasts a professional and high-efficiency team, whose members possess extensive industry experience and professional skills, enabling them to provide customers with high-quality services and support.



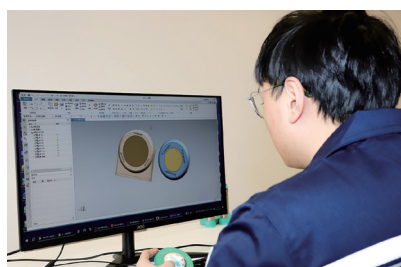
Strong technical R&D capabilities

The company prioritizes technological R&D and innovation, equipped with advanced R&D facilities and a professional R&D team, enabling the continuous launch of more innovative and competitive products.



Comprehensive After-Sales Service System

The company has established a comprehensive after-sales service system, enabling timely response to customer needs, provision of all-round technical support and solutions, and ensuring customer satisfaction.



HONORS AND QUALIFICATIONS

Honors and Qualifications



Brief Product Catalog English Version Issue 1, 2025

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