



Guaranteed Technical Particulars

Low Voltage Polycarbonate Encapsulated Rectangular Type Current Transformer

Sr. No.	TECHNICAL REQUIREMENTS	CONFIRMATION BY ELMEX		
1	Works:	Elmex Controls Pvt. Ltd. Survey No. 1266, Block No. 1265, Station Road, Itola Vadodara - 391240		
2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	250/5		
5	Rated Burden	5	7.5	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
16	Winding Conductor	Super Enameled Copper wire		
17	Secondary Terminal	M5 Bush Type		
18	Secondary Terminal Cover	Polycarbonate material		
19	Rating Plate	Laser Printing		
20	Mounting Arrangement	CRCA Clamps of 1.60 mm thickness with 6 mm opening for Panel mounting & Mounting Screws for Bus Bar Mounting		
21	CAT No.	ELPSY1		
22	Dimensions of CT in mm	ID	WIDTH	Depth
		56x105	144x244	55

Tolerance: - ±1 mm

Elmex Controls Pvt. Ltd.

Vadodara – 390010, INDIA



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1	Works:	Elmex Controls Pvt. Ltd. Survey No. 1266, Block No. 1265, Station Road, Itola Vadodara - 391240		
2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	300/5		
5	Rated Burden	7.5	10	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
16	Winding Conductor	Super Enameled Copper wire		
17	Secondary Terminal	M5 Bush Type		
18	Secondary Terminal Cover	Polycarbonate material		
19	Rating Plate	Laser Printing		
20	Mounting Arrangement	CRCA Clamps of 1.60 mm thickness with 6 mm opening for Panel mounting & Mounting Screws for Bus Bar Mounting		
21	CAT No.	ELPSY1		
22	Dimensions of CT in mm	ID	WIDTH	Depth
		56x105	144x244	55

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1	Works:	Elmex Controls Pvt. Ltd. Survey No. 1266, Block No. 1265, Station Road, Itola Vadodara - 391240		
2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	400/5		
5	Rated Burden	10	15	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
16	Winding Conductor	Super Enameled Copper wire		
17	Secondary Terminal	M5 Bush Type		
18	Secondary Terminal Cover	Polycarbonate material		
19	Rating Plate	Laser Printing		
20	Mounting Arrangement	CRCA Clamps of 1.60 mm thickness with 6 mm opening for Panel mounting & Mounting Screws for Bus Bar Mounting		
21	CAT No.	ELPSY1		
22	Dimensions of CT in mm	ID	WIDTH	Depth
		56x105	144x244	55

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1	Works:	Elmex Controls Pvt. Ltd. Survey No. 1266, Block No. 1265, Station Road, Itola Vadodara - 391240		
2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	500/5		
5	Rated Burden	12.5	15	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
16	Winding Conductor	Super Enameled Copper wire		
17	Secondary Terminal	M5 Bush Type		
18	Secondary Terminal Cover	Polycarbonate material		
19	Rating Plate	Laser Printing		
20	Mounting Arrangement	CRCA Clamps of 1.60 mm thickness with 6 mm opening for Panel mounting & Mounting Screws for Bus Bar Mounting		
21	CAT No.	ELPSY1		
22	Dimensions of CT in mm	ID 56x105	WIDTH 144x244	Depth 55

Tolerance: - ±1 mm

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1	Works:	Elmex Controls Pvt. Ltd. Survey No. 1266, Block No. 1265, Station Road, Itola Vadodara - 391240		
2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	600/5		
5	Rated Burden	15	20	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
16	Winding Conductor	Super Enameled Copper wire		
17	Secondary Terminal	M5 Bush Type		
18	Secondary Terminal Cover	Polycarbonate material		
19	Rating Plate	Laser Printing		
20	Mounting Arrangement	CRCA Clamps of 1.60 mm thickness with 6 mm opening for Panel mounting & Mounting Screws for Bus Bar Mounting		
21	CAT No.	ELPSY1		
22	Dimensions of CT in mm	ID 56x105	WIDTH 144x244	Depth 55

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1	Works:	Elmex Controls Pvt. Ltd. Survey No. 1266, Block No. 1265, Station Road, Itola Vadodara - 391240		
2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	800/5		
5	Rated Burden	20	25	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
16	Winding Conductor	Super Enameled Copper wire		
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		56x105	144x244	55

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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	1000/5		
5	Rated Burden	25	30	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
16	Winding Conductor	Super Enameled Copper wire		
17	Secondary Terminal	M5 Bush Type		
18	Secondary Terminal Cover	Polycarbonate material		
19	Rating Plate	Laser Printing		
20	Mounting Arrangement	CRCA Clamps of 1.60 mm thickness with 6 mm opening for Panel mounting & Mounting Screws for Bus Bar Mounting		
21	CAT No.	ELPSY1		
22	Dimensions of CT in mm	ID 56x105	WIDTH 144x244	Depth 55

Tolerance: - ±1 mm

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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	1200/5		
5	Rated Burden	30	35	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	1250/5		
5	Rated Burden	35	40	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	1500/5		
5	Rated Burden	40	50	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	1600/5		
5	Rated Burden	40	45	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	1800/5		
5	Rated Burden	40	45	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	2000/5		
5	Rated Burden	40	50	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
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18	Secondary Terminal Cover	Polycarbonate material		
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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	2500/5		
5	Rated Burden	40	50	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	3000/5		
5	Rated Burden	40	50	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
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2	Product Confirming To Standards	IEC-61869-2		
		CE Complied		
		ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	4000/5		
5	Rated Burden	50	60	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
16	Winding Conductor	Super Enameled Copper wire		
17	Secondary Terminal	M5 Bush Type		
18	Secondary Terminal Cover	Polycarbonate material		
19	Rating Plate	Laser Printing		
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		56x105	144x244	55

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2	Product Confirming To Standards	IEC-61869-2 CE Complied ISO 9001:2015 & ISO 14001:2015		
3	Nominal System Voltage Class	720V, 50 Hz.		
4	Rated Ratio	5000/5		
5	Rated Burden	50	60	
6	Class of Accuracy	0.5	1	
7	Instrument Security factor	< 5		
8	Short time withstand current/Duration	60xIn for 1 Sec.		
9	Rated Continuous Thermal Current	120% of Rated Current		
10	Dynamic Current Rating	2.5 times STC		
11	Average Ambient Temperature	40°C		
12	Insulation Class	E		
13	Insulation Level	0.72/4.0kV		
14	Insulation Type	Polycarbonate material		
15	Material of Core	High Grade Non-Ageing Electrical Low Loss Core made from Superior CRGO Silicon Sheet		
16	Winding Conductor	Super Enameled Copper wire		
17	Secondary Terminal	M5 Bush Type		
18	Secondary Terminal Cover	Polycarbonate material		
19	Rating Plate	Laser Printing		
20	Mounting Arrangement	CRCA Clamps of 1.60 mm thickness with 6 mm opening for Panel mounting & Mounting Screws for Bus Bar Mounting		
21	CAT No.	ELPSY1		
22	Dimensions of CT in mm	ID 56x105	WIDTH 144x244	Depth 55

Tolerance: - ±1 mm

Elmex Controls Pvt. Ltd.

Vadodara – 390010, INDIA