



## Guaranteed Technical Particulars

### Low Voltage Polycarbonate Encapsulated Rectangular Type Current Transformer

Sr. No.	TECHNICAL REQUIREMENTS	CONFIRMATION BY ELMEX		
1	Works:	<b>Elmex Controls Pvt. Ltd.</b> 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	7.5	12.5	
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.	ELPO4		
22	Dimensions of CT in mm	ID 105x56	WIDTH 136x171	Depth 60

**Tolerance: - ±1 mm**

***Elmex Controls Pvt. Ltd.***

**Vadodara – 390010, INDIA**



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1	Works:	<b>Elmex Controls Pvt. Ltd.</b> 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	10	12.5	
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.	ELPO4		
22	Dimensions of CT in mm	ID	WIDTH	Depth
		105x56	136x171	60

**Tolerance: - ±1 mm**

***Elmex Controls Pvt. Ltd.***

**Vadodara – 390010, INDIA**



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1	Works:	<b>Elmex Controls Pvt. Ltd.</b> 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	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.	ELPO4		
22	Dimensions of CT in mm	ID	WIDTH	Depth
		105x56	136x171	60

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**Vadodara – 390010, INDIA**



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1	Works:	<b>Elmex Controls Pvt. Ltd.</b> 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	750/5		
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.	ELPO4		
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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	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		
17	Secondary Terminal	M5 Bush Type		
18	Secondary Terminal Cover	Polycarbonate material		
19	Rating Plate	Laser Printing		
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22	Dimensions of CT in mm	ID	WIDTH	Depth
		105x56	136x171	60

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1	Works:	<b>Elmex Controls Pvt. Ltd.</b> 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	1000/5		
5	Rated Burden	20	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		
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1	Works:	<b>Elmex Controls Pvt. Ltd.</b> 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	1200/5		
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		
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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	30	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		
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	30	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		
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		
16	Winding Conductor	Super Enameled Copper wire		
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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	2250/5		
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	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		
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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	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	5000/5		
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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