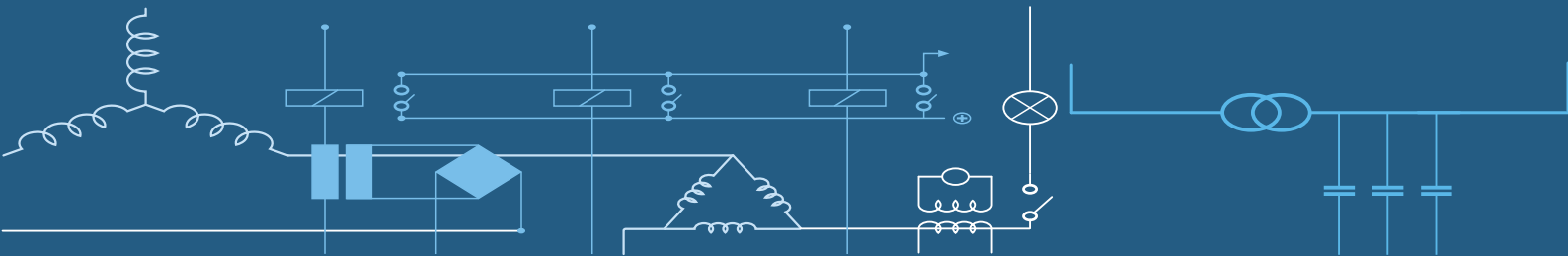




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A: FICO HI-TECH PVT LIMITED, FICO STREET, CLIMAXABAD, GT ROAD, GUJRANWALA. PAKISTAN

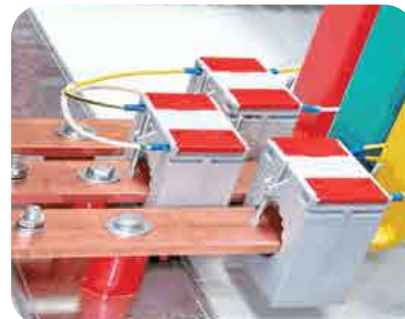
# CURRENT TRANSFORMER (low voltage)

## INTRODUCTION

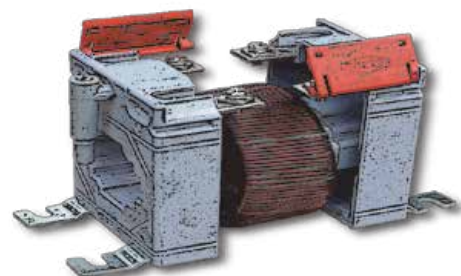
Current Transformer was used to change the high primary current to low secondary current. Connected with the Panel Meter or Relay, they can help to measure the current or protect the equipments which were connected to the high voltage line

## THE LINK BETWEEN HEAVY CURRENT AND MEASUREMENT TECHNOLOGY

The right current transformer for every application



Anyone wanting to record energy consumption, must measure currents. This is done by using a current transformer to measure the magnetic field created by the current. In principle, the current transformer is similar to a power transformer. The primary circuit is formed by the line to be measured, the connection to the measurement device forms the secondary circuit. As a result, on the one hand there is a galvanic separation between the measurement device and the current circuit to be measured and on the other hand, the size of the current can be transformed down by a defined ratio to a size suitable for the measurement device:



For example, a high-power 320 Amp line can be reduced by means of a 500:5 transformer to more convenient 3.2 Amps. At the same time, the measurement equipment is protected by the so-called saturation effect in the event of a fault, e.g. with a short-circuit. This phenomenon means that the magnetisation of a material through a magnetic field only rises until it reaches saturation point. The current in the secondary circuit is thus automatically limited through the physical characteristics of the current transformer.

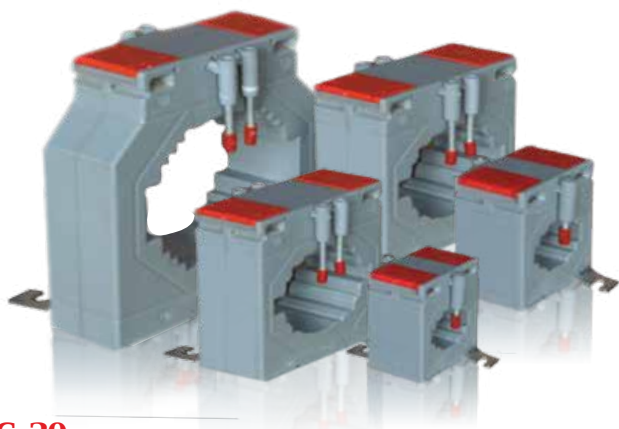
The appropriate combination of measurement device and transformer is critical for the quality and accuracy of a measurement: As with measurement devices, there are permissible nominal currents and accuracy classes with transformers too, the knowledge of which is essential for correct measurement.





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# Current transformers - DEWA & SEC approved series INNOVATIVE MODEL



## ILC-30

Primary current (i)	CL(0.5)	CL(1)	CL(3)	Primary conductor (bar)	Primary conductor (round)
30A	-	-	-	20mm x 30mm	25MM
60A	-	-	-	20mm x 30mm	25MM
100A	1VA	1VA	1VA	20mm x 30mm	25MM
150A	1.5VA	1.5VA	1.5VA	20mm x 30mm	25MM
200A	2.5VA	2.5va	2.5VA	20mm x 30mm	25MM

## ILC-40

Primary current (i)	CL(0.5)	CL(1)	CL(3)	Primary conductor (bar)	Primary conductor (round)
30A	-	-	1VA	40mm x 10mm	30MM
60A	-	1VA	1.5VA	40mm x 10mm	30MM
100A	1VA	1.5VA	2.5VA	40mm x 10mm	30MM
150A	1.5VA	2.5va	3.75VA	40mm x 10mm	30MM
200A	2.5VA	3VA	5VA	40mm x 10mm	30MM
300A	5VA	5va	7.5VA	40mm x 10mm	30MM
400A	7.5VA	7.5va	10VA	40mm x 10mm	30MM

## ILC-60

Primary current (i)	CL(0.5)	CL(1)	CL(3)	Primary conductor (bar)	Primary conductor (round)
100A	-	-	2.5VA	60mm x 10mm, 50mmx30mm	50mm
200A	1VA	2.5va	3.75VA	60mm x 10mm, 50mmx30mm	50mm
300A	1.5VA	3VA	5VA	60mm x 10mm, 50mmx30mm	50mm
400A	2.5VA	5va	7.5VA	60mm x 10mm, 50mmx30mm	50mm
600A	5VA	7.5va	10VA	60mm x 10mm, 50mmx30mm	50mm
800A	7.5VA	10va	15VA	60mm x 10mm, 50mmx30mm	50mm

## ILC-80

Primary current (i)	CL(0.5)	CL(1)	CL(3)	Primary conductor (bar)	Primary conductor (round)
200A	1.5VA	2.5va	5VA	80mm x 10mm, 60mmx30mm	65mm
300A	2.5VA	5VA	7.5VA	80mm x 10mm, 60mmx30mm	65mm
400A	5VA	7.5va	10VA	80mm x 10mm, 60mmx30mm	65mm
600A	7.5VA	10va	15VA	80mm x 10mm, 60mmx30mm	65mm
800A	10VA	12.5va	25VA	80mm x 10mm, 60mmx30mm	65mm
1200A	12.5VA	15va	30VA	80mm x 10mm, 60mmx30mm	65mm

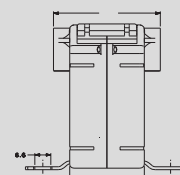
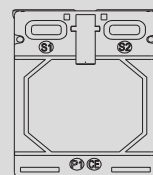
## ILC-100

Primary current (i)	CL(0.5)	CL(1)	CL(3)	Primary conductor (bar)	Primary conductor (round)
1000A	5VA	7.5VA	10VA	100mm x 30mm, 80mmx50mm	80mm
1200A	7.5VA	10VA	15VA	100mm x 30mm, 80mmx50mm	80mm
1600A	10VA	15VA	25VA	100mm x 30mm, 80mmx50mm	80mm
2000A	15VA	25VA	30va	100mm x 30mm, 80mmx50mm	80mm
2400A	25VA	30va	40VA	100mm x 30mm, 80mmx50mm	80mm

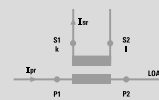
### Technical features

SPECIFICATIONS	
Reference specification	EN/IEC 61869-1, 61869-2
Rated primary current Ipr:	1600A
Working frequency:	47...63Hz
Rated continuous thermal current Icth:	100% Ipr
Rated short-time thermal current Ith:	< 60Ipr
Rated dynamic current Idyn :	2.5Ith
Instrument security factor (FS):	≤ 5
Rated secondary current Isr :	5
Max. power dissipation	≤ 20W
Allowed max cable or busbar temperature:	125°C
INSULATION REQUIREMENTS	
Type	Dry transformer, air insulation
Highest voltage for equipment Um:	0.72kV r.m.s.
Rated insulation level:	3kV r.m.s. 50Hz/1min
ENVIRONMENTAL CONDITIONS	
Nominal temperature range:	-25...50°C
Limit temperature range for storage:	-40...85°C
Relative humidity:	≤ 85%
Suitable for tropical climates	yes
CONNECTION	
Primary winding:	Passing bus bar
Secondary winding:	tightening by nut M4
MECHANICAL FEATURES	
Housing material:	self extinguishing polycarbonate
Mounting:	screw type on bar
Weight:	1150 gr

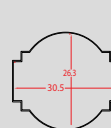
### Dimensions



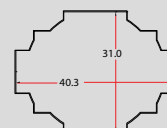
### Wiring diagrams



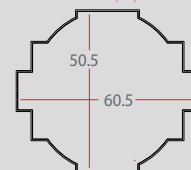
MODEL	A (mm)	B (mm)	C (mm)
ILC 30	78	50	32
ILC 40	78	62	40
ILC 60	110	86	45
ILC 80	128	104	45
ILC 100	155	140	62



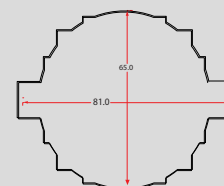
ILC-30



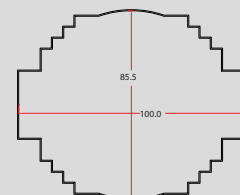
ILC-40



ILC-60



ILC-80



ILC-100

NOTE : On request orders for types different from table are accepted. 1A Secondary available

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## Current transformers - SDH & TAB series RECTANGULAR MODEL



### Cable/passing bar single-phase current transformers



#### SDH 80X130 (INNER WINDOW 80MM X 130MM)

I (pri)	I (sec)	CI:1	BUS BAR (size)
3000A - 8000A	5A/1A	15VA/30VA	[10 x 100] * 5 bar (max)

#### SDH 110X150 (INNER WINDOW 110MM X 150MM)

I (pri)	I (sec)	CI:1	BUS BAR (size)
3000A - 8000A	5A/1A	15VA/30VA	[10 x 120] * 8 bar (max)

#### SDH 100X265 (INNER WINDOW 100MM X 265MM)

I (pri)	I (sec)	CI:1	BUS BAR (size)
3000A - 8000A	5A/1A	15VA/30VA	[10 x 120] * 6 bar (max)

#### SDH 50X150 (INNER WINDOW 50MM X 150MM)

I (pri)	I (sec)	CI:1	BUS BAR (size)
3000A - 8000A	5A/1A	15VA/30VA	[10 x 120] * 3 bar (max)

#### SDH 65X225 (INNER WINDOW 65MM X 225MM)

I (pri)	I (sec)	CI:1	BUS BAR (size)
3000A - 8000A	5A/1A	15VA/30VA	[10 x 120] * 4 bar (max)

#### TLC-3 (INNER WINDOW 20MM X 60MM)

I (pri)	I (sec)	CI:0.5/1	BUS BAR (size)
100A - 2000A	5A/1A	15VA to 50VA	[10 x 50] * 1 bar (max)

#### TLC-4 (INNER WINDOW 30MM X 80MM)

I (pri)	I (sec)	CI:0.5/1	BUS BAR (size)
400A - 2500A	5A/1A	15V to 120VA	[10 x 60] * 2 bar (max)

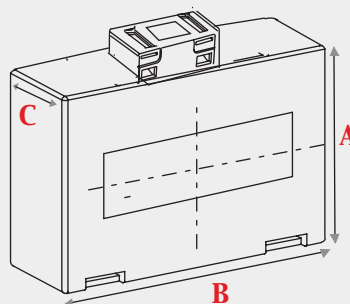
#### TLC-5 (INNER WINDOW 50MM X 120MM)

I (pri)	I (sec)	CI:0.5/1	BUS BAR (size)
600A - 5000A	5A/1A	15VA to 200VA	[10 x 100] * 4 bar (max)

### Technical features

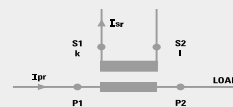
SPECIFICATIONS	
Reference specification	EN/IEC 61869-1, 61869-2
Rated primary current I <sub>pr</sub> :	100A TO 10,000A
Working frequency:	47...63Hz
Rated continuous thermal current I <sub>cth</sub> :	100% I <sub>pr</sub>
Rated short-time thermal current I <sub>th</sub> :	< 60I <sub>pr</sub>
Rated dynamic current I <sub>dyn</sub> :	2,5I <sub>th</sub>
Instrument security factor (FS):	≤ 5
Rated secondary current I <sub>sr</sub> :	5
Max. power dissipation	≤ 20W
Allowed max cable or busbar temperature:	125°C
INSULATION REQUIREMENTS	
Type	Dry transformer, air insulation
Highest voltage for equipment U <sub>m</sub> :	0.72kV r.m.s.
Rated insulation level:	3kV r.m.s. 50Hz/1min
ENVIRONMENTAL CONDITIONS	
Nominal temperature range:	-25...50°C
Limit temperature range for storage:	-40...85°C
Relative humidity:	≤ 85%
Suitable for tropical climates	yes
CONNECTION	
Primary winding:	Passing bus bar
Secondary winding:	tightening by nut M4
MECHANICAL FEATURES	
Housing material:	self extinguishing polycarbonate
Mounting:	screw type on bar
Weight:	-

### Dimensions (outer)



Model	A (mm)	B (mm)	C (mm)
SDH 80X130	180	190	50
SDH 110X150	220	204	60
SDH 100X265	200	300	65
SDH 50X155	145	200	50
SDH 65X225	170	270	55
TLC-3	116	100	50
TLC-4	100	120	45
TLC-5	135	170	50

### Wiring diagrams



NOTE: On request orders for types different from table are accepted. 1A Secondary available

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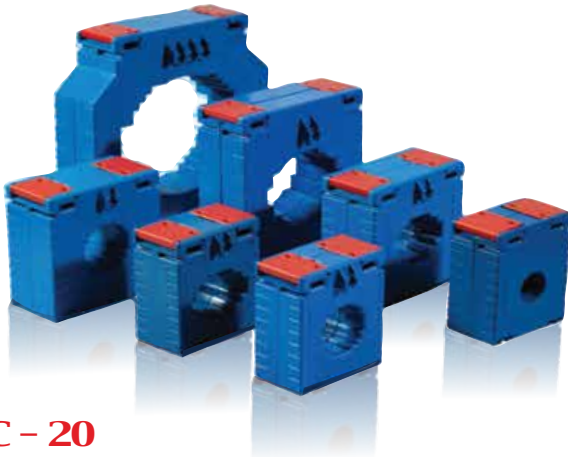
made in Pakistan





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## Current transformers - ELC SERIES ECONOMICAL MODEL



### ELC - 20

I (pri)	I (sec)	Cl:1	Primary conductor	Round conductor
30A	5A	1VA PT1	-	20MM
60A	5A	1.5VA PT1	-	20MM

### ELC - 30 s

I (pri)	I (sec)	Cl:1	Primary conductor	Round conductor
30A	5A	2.5VA - PT 4	30mmx10mm	30mm
60A	5A	2.5VA - pt 2	30mmx10mm	30mm
100A	5A	2.5VA	30mmx10mm	30mm
150A	5A	2.5VA	30mmx10mm	30mm
200A	5A	2.5VA	30mmx10mm	30mm
300A	5A	2.5VA	30mmx10mm	30mm
400A	5A	2.5VA	30mmx10mm	30mm

### ELC - 40 s

I (pri)	I (sec)	Cl:1	Primary conductor	Round conductor
30A	5A	2.5VA - PT 4	40mmx10mm	30mm
60A	5A	2.5VA - pt 2	40mmx10mm	30mm
100A	5A	2.5VA	40mmx10mm	30mm
150A	5A	2.5VA	40mmx10mm	30mm
200A	5A	2.5VA	40mmx10mm	30mm
300A	5A	2.5VA	40mmx10mm	30mm
400A	5A	2.5VA	40mmx10mm	30mm

### ELC - 30

I (pri)	I (sec)	Cl:1	Primary conductor	Round conductor
30A	5A	5VA (PT-4)	30mmx10mm	30mm
60A	5A	5VA (PT-2)	30mmx10mm	30mm
100A	5A	5VA	30mmx10mm	30mm
150A	5A	5VA	30mmx10mm	30mm
200A	5A	5VA	30mmx10mm	30mm
300A	5A	5VA	30mmx10mm	30mm
400A	5A	5VA	30mmx10mm	30mm

### ELC - 40

I (pri)	I (sec)	Cl:1	Primary conductor	Round conductor
30A	5A	5VA (PT-4)	40mmx10mm	30mm
60A	5A	5VA (PT-2)	40mmx10mm	30mm
100A	5A	5VA	40mmx10mm	30mm
150A	5A	5VA	40mmx10mm	30mm
200A	5A	5VA	40mmx10mm	30mm
300A	5A	5VA	40mmx10mm	30mm
400A	5A	5VA	40mmx10mm	30mm

### ELC - 60

I (pri)	I (sec)	Cl:1	Primary conductor	Round conductor
600A	5A	10VA	60mmx10mm, 50mmx30mm	50mm
800A	5A	10VA	60mmx10mm, 50mmx30mm	50mm
1000A	5A	10VA	60mmx10mm, 50mmx30mm	50mm
1200A	5A	10VA	60mmx10mm, 50mmx30mm	50mm

### ELC - 80

I (pri)	I (sec)	Cl:1	Primary conductor	Round conductor
800A	5A	10VA	80mmx10mm, 60mmx30mm	66mm
1000A	5A	10VA	80mmx10mm, 60mmx30mm	66mm
1200A	5A	10VA	80mmx10mm, 60mmx30mm	66mm
1600A	5A	10VA	80mmx10mm, 60mmx30mm	66mm

### ELC - 100

I (pri)	I (sec)	Cl:1	Primary conductor	Round conductor
1000A	5A	10VA	100mmx30mm, 80mmx50mm	-
1200A	5A	10VA	100mmx30mm, 80mmx50mm	-
1600A	5A	10VA	100mmx30mm, 80mmx50mm	-
2000A	5A	10VA	100mmx30mm, 80mmx50mm	-
2400A	5A	10VA	100mmx30mm, 80mmx50mm	-
3000A	5A	10VA	100mmx30mm, 80mmx50mm	-
3200A	5A	10VA	100mmx30mm, 80mmx50mm	-

#### Technical features

SPECIFICATIONS		
Reference specification	EN/IEC 61869-1, 61869-2	
Rated primary current Ipr:	250...2000A	300...2500A
Working frequency:	47...63Hz	
Rated continuous thermal current Icth:	100% Ipr	
Rated short-time thermal current Ith:	< 60Ipr	
Rated dynamic current Idyn :	2.5Ith	
Instrument security factor (FS):	≤ 5	
Rated secondary current Isr :	5 - 1A	
Max. power dissipation	≤ 19W	
Allowed max cable or busbar temperature:	125°C	

#### INSULATION REQUIREMENTS

Type	Dry transformer, air insulation	
Highest voltage for equipment Um:	0.72kV r.m.s.	
Rated insulation level:	3kV r.m.s. 50Hz/1min	

#### ENVIRONMENTAL CONDITIONS

Nominal temperature range:	-25...50°C	
Limit temperature range for storage:	-40...85°C	
Relative humidity:	≤ 85%	
Suitable for tropical climates	yes	

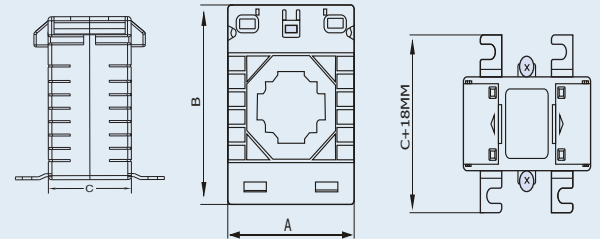
#### CONNECTION

Primary winding:	Passing bus bar	
Secondary winding:	tightening by nut M4	

#### MECHANICAL FEATURES

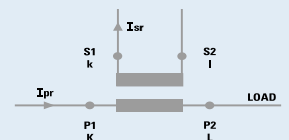
Housing material:	self extinguishing polycarbonate	
Mounting:	screw type on bar	
Weight:		

#### Dimensions ELC



MODEL	A (mm)	B (mm)	C (mm)
ELC-20	62	77	36
ELC-30S	80	87	41
ELC-40S	80	87	41
ELC-30	63	78	35
ELC-40	63	78	35
ELC-60	100	118	41
ELC-80	110	130	40
ELC-100	145	154	38

#### Wiring diagrams

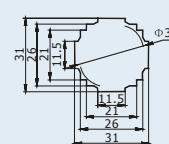


#### DIMENSIONAL DRAWING

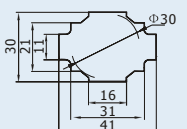
##### ELC - 20



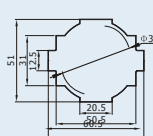
##### ELC - 30 & 30S



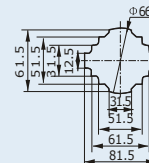
##### ELC - 40 & 40S



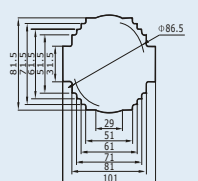
##### ELC - 60



##### ELC - 80



##### ELC - 100



NOTE : On request orders for types different from table are accepted. 1A Secondary available



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## Current transformers - RLC series (15 VA BURDEN) ROUND & RECTANGULAR MODEL



### Cable/passing bar single-phase current transformers



### RLC 30

I (pri)	I (sec)	Cl:1	Round conductor
30A	5A	15VA - PT 4	30mm
60A	5A	15VA - pt 2	30mm
100A	5A	15VA	30mm
150A	5A	15VA	30mm
200A	5A	15VA	30mm
250A	5A	15VA	30mm
300A	5A	15VA	30mm

### RLC 50

I (pri)	I (sec)	Cl:1	Round conductor
400A	5A	15VA	50mm
500A	5A	15VA	50mm
600A	5A	15VA	50mm

### RLC 65

I (pri)	I (sec)	Cl:1	Round conductor
400A	5A	15VA	65mm
500A	5A	15VA	65mm
600A	5A	15VA	65mm
800A	5A	15VA	65mm
1000A	5A	15VA	65mm
1200A	5A	15VA	65mm

### RLC 80

I (pri)	I (sec)	Cl:1	PRIMARY BAR
600A	5A	15VA	80mmX50mm
800A	5A	15VA	80mmX50mm
1000A	5A	15VA	80mmX50mm
1200A	5A	15VA	80mmX50mm
1600A	5A	15VA	80mmX50mm
2000A	5A	15VA	80mmX50mm

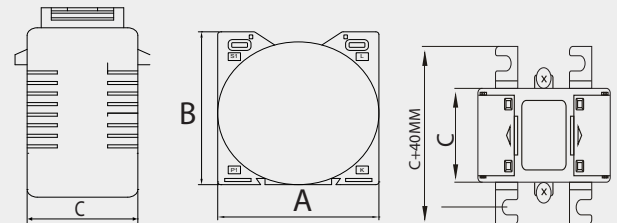
### RLC 125

I (pri)	I (sec)	Cl:1	PRIMARY BAR
1200A	5A	15VA	125mmX50mm
1600A	5A	15VA	125mmX50mm
2000A	5A	15VA	125mmX50mm
2500A	5A	15VA	125mmX50mm
3000A	5A	15VA	125mmX50mm
3200A	5A	15VA	125mmX50mm
4000A	5A	15VA	125mmX50mm

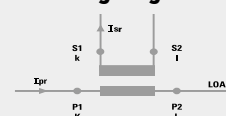
#### Technical features

SPECIFICATIONS	
Reference specification	EN/IEC 61869-1, 61869-2
Rated primary current I <sub>pr</sub> :	30A TO 4000A
Working frequency:	47...63Hz
Rated continuous thermal current I <sub>cth</sub> :	100% I <sub>pr</sub>
Rated short-time thermal current I <sub>th</sub> :	< 60I <sub>pr</sub>
Rated dynamic current I <sub>dyn</sub> :	2,5I <sub>th</sub>
Instrument security factor (FS):	≤ 5
Rated secondary current I <sub>sr</sub> :	5
Max. power dissipation	≤ 20W
Allowed max cable or busbar temperature:	125°C
INSULATION REQUIREMENTS	
Type	Dry transformer, air insulation
Highest voltage for equipment U <sub>m</sub> :	0.72kV r.m.s.
Rated insulation level:	3kV r.m.s. 50Hz/1min
ENVIRONMENTAL CONDITIONS	
Nominal temperature range:	-25...50°C
Limit temperature range for storage:	-40...85°C
Relative humidity:	≤ 85%
Suitable for tropical climates	yes
CONNECTION	
Primary winding:	Passing bus bar
Secondary winding:	tightening by nut M4
MECHANICAL FEATURES	
Housing material:	self extinguishing polycarbonate
Mounting:	screw type on bar
Weight:	-

#### Dimensions RLC



#### Wiring diagrams



MODEL	A. (mm)	B (mm)	C (mm)
RLC 30	92	98	55
RLC 50	92	98	55
RLC 65	106	112	55
RLC 80	142	124	55
RLC 125	186	124	55

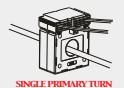
RLC 30



RLC 50

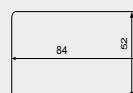


RLC 65

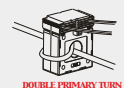
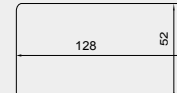


SINGLE PRIMARY TURN

RLC 80



RLC 125



DOUBLE PRIMARY TURN

NOTE: On request orders for types different from table are accepted. 1A Secondary available



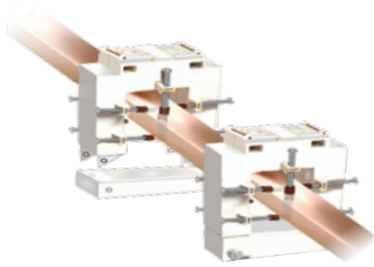


SINCE 1952

## Current transformers - Special category

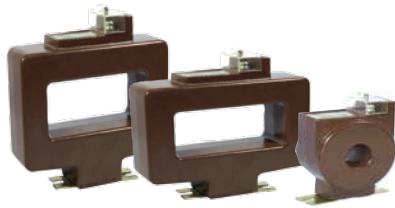
### Cable/passing bar single-phase current transformers

#### SCLC SPLIT (CLAMPTYPE) CURRENT TRANSFORMER



MODEL	Ratio	Class 3	Class 1	Class 0.5	A	B	C	D	E
SCLC -23	100/5A	1.5VA	-	-	30	20	110	90	40
SCLC -23	200/5A	2.5VA	1.5VA	1.25VA	30	20	110	90	40
SCLC -23	300/5A	3.75VA	2.5VA	1.5VA	30	20	110	90	40
SCLC -23	400/5A	5VA	3.75VA	2.5VA	30	20	110	90	40
SCLC -58	300/5A	3.75VA	2.5VA	1.5VA	80	50	145	115	40
SCLC -58	400/5A	3.75VA	2.5VA	1.5VA	80	50	145	115	40
SCLC -58	600/5A	7.5VA	5VA	2.5VA	80	50	145	115	40
SCLC -58	800/5A	7.5VA	5VA	3.75VA	80	50	145	115	40
SCLC -58	1000/5A	12.5VA	10VA	5VA	80	50	145	115	40
SCLC -88	300/5A	2.5VA	1.5VA	1VA	80	80	145	145	40
SCLC -88	400/5A	3.75VA	2.5VA	1.5VA	80	80	145	145	40
SCLC -88	600/5A	5VA	3.75VA	2.5VA	80	80	145	145	40
SCLC -88	800/5A	7.5VA	5VA	3.75VA	80	80	145	145	40
SCLC -88	1000/5A	12.5VA	10VA	7.5VA	80	80	145	145	40
SCLC -812	600/5A	3.75VA	2.5VA	1.5VA	120	80	185	145	40
SCLC -812	800/5A	5VA	3.75VA	2.5VA	120	80	185	145	40
SCLC -812	1000/5A	10VA	7.5VA	5VA	120	80	185	145	40
SCLC -812	1200/5A	12.5VA	10VA	5VA	120	80	185	145	40
SCLC -812	1600/5A	12.5VA	10VA	7.5VA	120	80	185	145	40
SCLC -816	1600/5A	12.5VA	10VA	5VA	160	80	245	185	40
SCLC -816	2000/5A	12.5VA	10VA	7.5VA	160	80	245	185	40
SCLC -816	2500/5A	30VA	25VA	15VA	160	80	245	185	40
SCLC -816	3000/5A	30VA	25VA	20VA	160	80	245	185	40
SCLC -816	4000/5A	30VA	25VA	20VA	160	80	245	185	40
SCLC -816	5000/5A	30VA	25VA	20VA	160	80	245	185	40

#### RESIN ENCAPSULATED OUT DOOR ANTI-THEFT CT

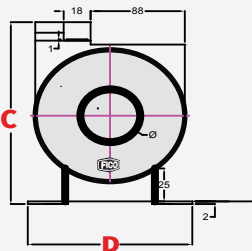
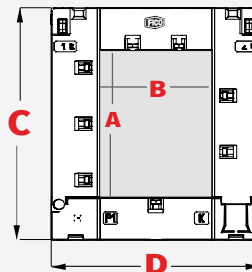


MODEL	Ratio	Class 0.5	5P10 (PROTECTION)	A	B	C	D
MLC -30	100/5A	15VA	5VA	30	30	138	110
MLC -30	200/5A	17.5VA	10VA	30	30	138	110
MLC -30	300/5A	20VA	12.5VA	30	30	138	110
MLC -30	400/5A	25VA	15VA	30	30	138	110
MLC -60	100-300/5A	15VA-25VA	5VA	60	60	163	110
MLC -60	400/5A	30VA	15VA	60	60	163	110
MLC -60	600/5A	35VA	17.5VA	60	60	163	110
MLC -60	800/5A	40VA	20VA	60	60	163	110
MLC -75	400/5A	50VA	25VA	75	75	165	110
MLC -75	600/5A	60VA	25VA-50VA	75	75	165	110
MLC -75	800/5A	60-100VA	25VA-50VA	75	75	165	110
MLC -75	1000/5A	60-120VA	25VA-50VA	75	75	165	110
MLC -100X125	1000/5A	50VA	25VA	100	125	233	205
MLC -100X125	2000/5A	60VA	25VA-50VA	100	125	233	205
MLC -100X125	3000/5A	60-100VA	25VA-50VA	100	125	233	205
MLC -100X125	4000/5A TO 6000/5A	60-120VA	25VA-50VA	100	125	233	205
MLC -50X125	1000/5A	50VA	25VA	50	125	165	190
MLC -50X125	2000/5A	60VA	30VA	50	125	165	190
MLC -50X125	3000/5A	60-100VA	30VA	50	125	165	190
MLC -50X125	4000/5A	60-120VA	30VA	50	125	165	190
MLC -75X125	1000/5A	50VA	25VA	75	125	200	200
MLC -75X125	2000/5A	60VA	30VA	75	125	200	200
MLC -75X125	3000/5A	60-100VA	30VA	75	125	200	200
MLC -75X125	4000/5A TO 6000/5A	60-120VA	30VA	75	125	200	200

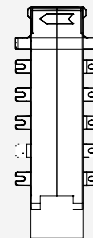
#### Technical features

SPECIFICATIONS	
Reference specification	EN/IEC 61869-1, 61869-2
Rated primary current Ipr:	100A TO 6000A
Working frequency:	47...63Hz
Rated continuous thermal current Icth:	100% Ipr
Rated short-time thermal current Ith:	< 60Ipr
Rated dynamic current Idyn:	2.5Ith
Instrument security factor (FS):	≤ 5
Rated secondary current Isr:	5
Max. power dissipation	≤ 20W
Allowed max cable or busbar temperature:	125°C
INSULATION REQUIREMENTS	
Type	Dry transformer, air insulation
Highest voltage for equipment Um:	0.72kV r.m.s.
Rated insulation level:	3kV r.m.s. 50Hz/1min
ENVIRONMENTAL CONDITIONS	
Nominal temperature range:	-25...50°C
Limit temperature range for storage:	-40...85°C
Relative humidity:	≤ 85%
Suitable for tropical climates	yes
CONNECTION	
Primary winding:	Passing bus bar
Secondary winding:	tightening by nut M4
MECHANICAL FEATURES	
Housing material:	self extinguishing polycarbonate
Mounting:	screw type on bar
Weight:	

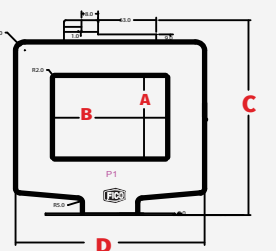
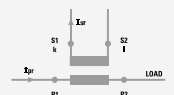
#### DIMENSIONS



MLC 30 & MLC 60, MLC 75



#### Wiring diagrams



MLC 100 MLC 125

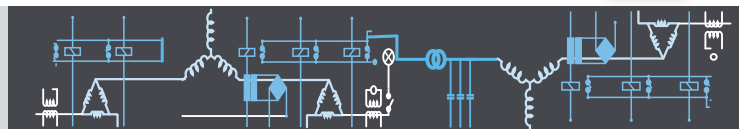
NOTE: On request orders for types different from table are accepted. 1A Secondary available

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