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Analog / Digital Protection Relays

Protection

Altech is pleased to offer a variety of protection relays covering:

- Phase Monitoring
- Voltage Monitoring
- Current Monitoring
- Frequency Monitoring
- Current Leakage / Ground Fault Monitoring

Protection relays help to maintain systems and ensure that proper action is taken when a fault is detected. Such functions help to preserve productivity and operational effectiveness of integral components.



Applicable EMI / EMC Standards

Product Standard:

Products	Electromagnetic Compatibility
Phase Sequence	IEC60947-5-1
Voltage Protection	IEC60947-2
Current Protection	IEC60947-1
Earth Leakage Current	IEC60947-2

Category	Standards Compliance	
ESD Immunity	IEC 61000-4-2	Level III
Surge Immunity	IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated Susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1.4GHz to 2GHz Level I, 2GHz to 2.7GHz
Conducted Susceptibility	IEC 61000-4-6	Level III
Voltage Dips and Interruptions	IEC 61000-4-11	Dips: 0% residual voltage / 1 cycle (Criteria B.), 40% residual voltage / 10 cycles 50 Hz / 12 cycles 60 Hz (Criteria C) 70% residual voltage / 25 cycles 50 Hz / 30 cycles 60 Hz (Criteria C) Interruptions: 0% residual voltage / 250 cycles 50 Hz / 300 cycles 60 Hz (Criteria C)
Conducted Emission	CISPR-11	
Radiated Emission	CISPR-11	
Electrical Fast Transient	IEC 61000-4-4	Level III

FEATURES

- 3Ø - 3 Wire Input
- Self Powered
- Monitors Under Voltage, Over Voltage, Phase Sequence and Phase Failure
- Trip time delay (T); 0.2 to 10 sec
- Slim, Space Saving Design
- DIN Rail Mount
- Size: 17.5mm (width)



CAT. NO.

600VPR

Display LED Indication	Relay ON, Power ON
Supply Specification Input Voltage	Self Powered 170-290V AC
Input Specification Input Measurement	Under Voltage/ Over Voltage / Phase Failure / Phase Sequence
Trip Setting	Under Voltage: 170-224V AC / Over Voltage: 236-290V AC
Trip Delay	0.2 - 10 sec
Output Specification Main Output	SPDT - 1 C/O - NO: 5A, NC: 3A@250V AC
Functional Specification Trip Time Settings	Power ON Delay: 0.4 sec / Trip Time Delay: 0.2-10 sec
Reset	Auto reset on removal of fault condition
Power Consumption	20VA max
Accuracy Trip Voltage	+/- 5% of Full Scale
Trip Time	+/-5% of Full Scale
Environmental Specification Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	62 grams (.13lbs)

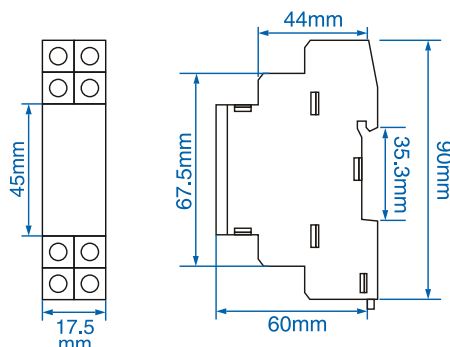
Ordering Information

Part No.	Supply Voltage	CE	RoHS	UL US
600VPR-170/290-CU	170 to 290V AC	●	●	●

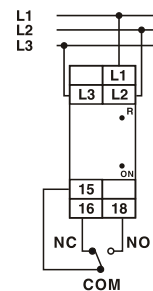
LED Indication Chart

Supply	Relay LED	Power LED
Nominal Condition	ON	ON
Phase Reversed	OFF	ON
UV / OV	OFF	ON

DIMENSIONS



TERMINAL CONNECTIONS



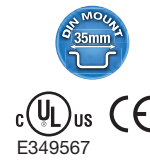
See pages 42-43 for timing diagrams.

PROTECTION

Analog 3Ø Self Powered Phase Protection Relay LED Indication

FEATURES

- 3Ø - 3 Wire Input
- Self Powered
- Monitors Phase Sequence, Phase Failure, Phase Imbalance
- Slim, Space Saving Design
- DIN Rail Mount
- Size: 17.5mm (width)



CAT. NO.

600PSR

Display	
LED Indication	Relay ON
Supply Specification	
Input Voltage	Self Powered 165-300V AC
Input Specification	
Input Measurement	Phase failure and Phase Sequence / Phase Imbalance
Trip Setting	Phase Failure Trip: 3 Phase voltage < 154V AC / Phase Imbalance: 30V fixed / Phase Sequence: Yes
Trip Delay	0.2 sec max
Output Specification	
Main Output	SPDT - 1 C/O - NO: 5A / NC: 3A@250V AC
Functional Specification	
Trip Time Settings	Power ON Delay: 0.4 sec / Trip Time Delay: 0.2-10 sec
Hysteresis	6V
Reset	Auto reset on removal of fault condition
Power Consumption	20VA max
Accuracy	
Trip Voltage	+/-3% of Full Scale
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	62 grams (.13lbs)

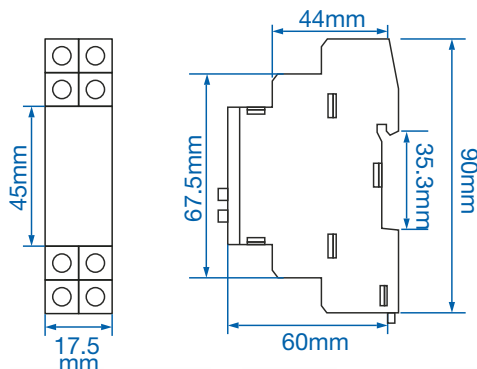
Ordering Information

Part No.	Supply Voltage	CE	RoHS	cUL US
600PSR-165/300-CU	165 to 300V AC	●	●	●

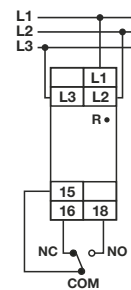
LED Indication Chart

Supply	Relay LED
Nominal Condition	ON
Phase Reversed	OFF
Phase Imbalance	OFF
Phase Failure	OFF

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.

FEATURES

- 1Ø - 2 Wire, 3Ø - 3 Wire, 3Ø - 4 Wire Input
- Current leakage / ground fault monitoring, 10mA - 30A
- True RMS measurement
- CBCT connection monitoring
- Power ON delay, Trip time delay and Recovery time delay
- Adjustable switching hysteresis
- Two separate alarm relays with NO or NC operation selectable
- Test and Reset buttons via front / remote
- LCD with backlight
- DIN Rail Mount
- Size: 35mm (Width)



CAT. NO.

900ELR-2

Display	
Display Type	Liquid Crystal Display with backlight
Digits	1 row of 3 digits
Resolution	Current: 0.1mA / 1mA / 0.01A, 0.1A
LED Indication	LED 1: Alarm, LED 2: Pre-Alarm
Supply Specification	
Input Voltage	110/230 V AC (45-65Hz)
Input specification	
Input Measurement	Current Leakage (Via CBCT)
Trip Setting	Leakage Current: 10mA-30A / Pre-Alarm: 50-100% of Leakage Current Setting
Current Rating	Measuring Range (RMS Value) 10mA - 30A, 45-65Hz
Output Specification	
Main Output	SPDT -2 C/O - NO: 5A, 250 V AC and NC:3A, 250 V AC
Functional Specification	
Trip Time Settings	Power ON Delay: 0.5-99.9 sec / Trip Time Delay: 0-99.9 sec / Recovery Time Delay: 0-99.9 sec / Response Time: <30ms (if trip current 5x set value) / <50ms (if trip current 1x set value)
Alarm Indications	Pre-warning alarm, Trip, CBCT error
Hysteresis	5-40% of set value
Latching	Selectable
Reset	Auto/Manual (Selectable)
Power Consumption	3VA max
Electrical Connection	1Ø-2 wire / 3Ø-3 wire / 3Ø- 4 wire
Accuracy	
Current	+/-5% of setting
Power Delay	+/-5% of setting + 100ms
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	217 grams(.48 lbs)
Protection Level	IP50 (for faceplate), IP30 (for housing), IP20 (for terminals)

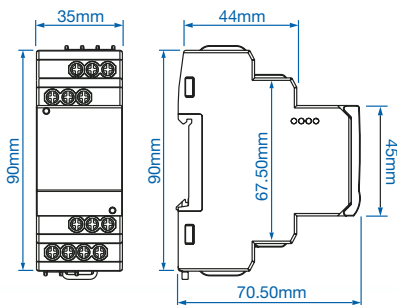
Ordering Information

Part No.	Supply Voltage	CE	RoHS	UL US
900ELR-2-230V-CE	230V AC	●	●	
900ELR-2-110V	110V AC			

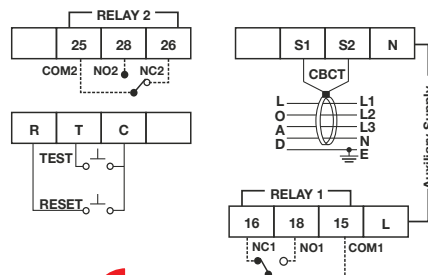
Used with CBCT

See page 14.

DIMENSIONS



TERMINAL CONNECTIONS



! See pages 42-43 for timing diagrams.

PROTECTION

Digital 3Ø Self Powered Voltage / Phase / Frequency Protection Relay Liquid Crystal Display

PROTECTION

FEATURES

- 3Ø - 3 Wire, 3Ø - 4 Wire Input
- Self powered
- Monitors Under voltage, Over voltage, Under frequency, Over frequency, Phase asymmetry, Phase failure and Phase sequence
- True RMS measurement
- Power ON delay, Trip time delay and Recovery time delay
- Adjustable switching Hysteresis
- Two separate alarm relays
- LCD
- Din Rail mount
- Size : 35mm (Width)



CAT. NO.

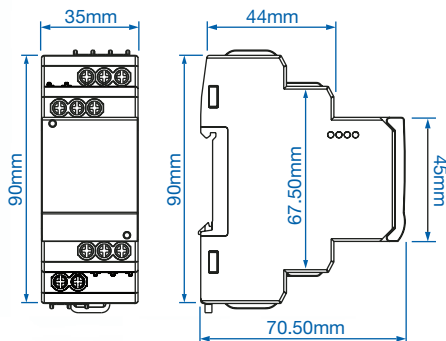
900VPR-2

Display	
Display Type	Liquid Crystal Display
Digits	1 row of 3 digits
LED Indication	LED 1: Power On, LED 2: Relay 1, LED 3: Relay 2
Supply Specification	
Input Voltage	Self Powered 280-520 V AC
Input Specification	
Input Measurement	Under Voltage / Over Voltage / Under Frequency / Over Frequency / Phase Asymmetry / Phase Failure / Phase Sequence
Trip Setting	Under Voltage: 280- 520 V AC [L-L] (3Ø-3 wire) 160-300 V AC [L-N] (3Ø-4 wire), Over Voltage: 280-520 V AC [L-L] (3Ø-3 wire) 160-300 V AC [L-N](3Ø-4 wire), Under Frequency: 45-65Hz / Over Frequency: 45-65Hz / Phase Failure: Yes / Phase Sequence: Yes / Phase Asymmetry: 5-99.9%
Measuring Range	280 - 520V AC [L-L]; 160 - 300V AC [L-N]
Output Specification	
Main Output	SPDT -2 C/O - NO: 5A, 250 V AC and NC:3A, 250 V AC
Functional Specification	
Trip Time Settings	Power ON Delay: 2-99.9 sec / Trip Time Delay: 0-99.9 sec / Recovery Time Delay: 0-99.9 sec / Response Time: <200ms
Alarm Indications	Trip
Hysteresis	Current: 0.1-99.9A
Latching	Selectable
Reset	Auto/Manual (Selectable)
Electrical Connection	3Ø-3 wire, 3Ø- 4 wire
Accuracy	
Voltage	+/-1%
Frequency	+/-0.3 Hz
Time Setting	+/- 5% of setting, +/-200ms
Environmental Specification	
Operating Temperature	0 to 55°C (32 to 131°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	135 grams (.31 lbs)
Protection Level	IP50 (for faceplate), IP30 (for housing), IP20 (for terminals)

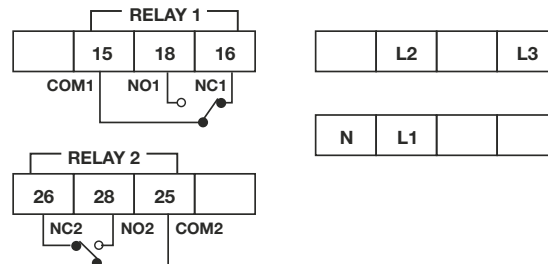
Ordering Information

Part No.	Supply Voltage	CE	RoHS	UL US
900VPR-2-280/520V-CU	280-520V AC	●	●	●

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.

FEATURES

- 3Ø - 3 Wire, 3Ø - 4 Wire Input
- Monitors Under voltage, Over voltage, Under frequency, Over frequency, Phase asymmetry, Phase failure, Phase sequence and Neutral Loss
- True RMS measurement
- Power ON delay, Trip time delay and Recovery time delay
- Adjustable switching hysteresis
- Two alarm relay with NC or NO operation selectable
- LCD with backlight
- DIN Rail Mount
- Size: 35mm (Width)



CAT. NO.

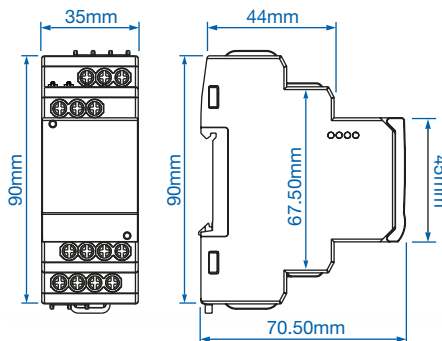
900VPR-BL-U

Display	
Display Type	liquid Crystal Display with backlight
Digits	1 row of 3 digits
LED Indication	LED 1: Relay 1, LED 2: Relay 2
Supply Specification	
Input Voltage	85-270 V AC/DC
Input Specification	
Input Measurement	Under Voltage / Over Voltage / Under Frequency / Over Frequency / Phase Asymmetry / Phase Failure / Neutral Loss and Phase Sequence
Trip Setting	Under Voltage: 85-500 V AC [L-L] (3Ø-3 wire) 50-288 V AC [L-N] (3Ø-4 wire), Over Voltage: 85-500 V AC [L-L] (3Ø-3 wire), 50-288 V AC [L-N](3Ø-4 wire), Under Frequency: 45-65Hz, Over Frequency: 45-65Hz / Phase Failure: Yes / Phase Sequence: Yes / Phase Asymmetry: 5-30% / Neutral Loss: Yes
Output Specification	
Main Output	SPDT -2 C/O - NO: 5A, 250 V AC and NC:3A, 250 V AC
Functional Specification	
Trip Time Settings	Power ON Delay: 0.5-300 sec / Trip Time Delay: 0-300 sec / Recovery Time Delay: 0-300 sec / Response Time: <120ms
Alarm Indications	Trip
Hysteresis	Voltage: 1-40 V / Frequency: 0.1-2 Hz / Asymmetry: 2-20%
Latching	Selectable
Reset	Auto/Manual (Selectable)
Electrical Connection	3Ø-3 wire, 3Ø- 4 wire
Accuracy	
Voltage	1V
Frequency	0.1 Hz
Time Setting	+/- 5% of setting, + 200ms
Environmental Specification	
Operating Temperature	-25 to 55°C (-13 to 131°F)
Storage Temperature	-25 to 70°C (-13 to 158°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	150 grams (.33 lbs)
Protection Level	IP50 (for faceplate), IP30 (for housing), IP20 (for terminals)

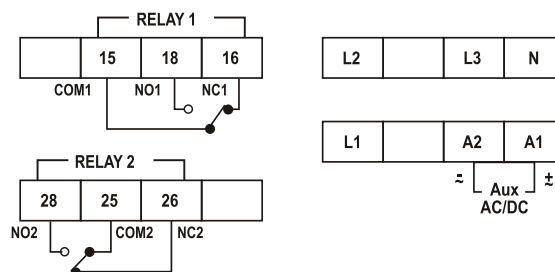
Ordering Information

Part No.	Supply Voltage	CE	RoHS	UL
900VPR-1-BL-U-CE	85-270V AC/DC	●	●	

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.

PROTECTION

Digital 1Ø Current Protection Relay Backlit Liquid Crystal Display

FEATURES

- 1Ø - 2 Wire Input
- Monitors Under current and Over current
- True RMS measurement
- Power ON delay, Trip time delay and Recovery time delay
- Adjustable switching hysteresis
- Two alarm relay with NC or NO operation selectable
- LCD with backlight
- DIN Rail Mount
- Size: 35mm (Width)



CAT. NO.

900CPR-1-BL-U

Display	
Display Type	liquid Crystal Display with backlight
Digits	1 row of 3 digits
Resolution	Current: 0.01 / 0.1 / 1A / 0.01kA
LED Indication	LED 1: Relay 1, LED 2: Relay 2
Supply Specification	
Input Voltage	85-270 V AC (50-60Hz)
Input Specification	
Input Measurement	Current Transformer-Under Current / Over Current
CT Setting	CT: Primary 1A/5A - 999A / CT secondary 1A/5A (Selectable)
Trip Setting	Under Current: 0-999A / Over Current: 0.5-1.19kA
Current Rating	Measuring Range (RMS Value) 0-1.19kA
Output Specification	
Main Output	SPDT -2 C/O - NO: 5A, 250 V AC and NC:3A, 250 V AC
Functional Specification	
Trip Time Settings	Power ON Delay: 0.5-99.9 sec / Trip Time Delay: 0-99.9 sec / Recovery Time Delay: 0-99.9 sec / Response Time: <200ms
Alarm Indications	Trip
Hysteresis	Current: 0.1-99.9A
Latching	Selectable
Reset	Auto/Manual (Selectable)
Power Consumption	4VA max
Electrical Connection	1Ø-2 wire
Accuracy	
Current	+/- 1% of setting, +/- 2 digits
Time Setting	+/- 5% of setting, +/- 100ms
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	150 grams (.33 lbs)
Protection Level	IP50 (for faceplate), IP30 (for housing), IP20 (for terminals)

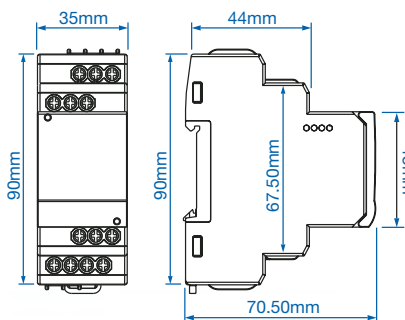
Ordering Information

Part No.	Supply Voltage	CE	RoHS	cULus
900CPR-1-BL-U-CE	85-270V AC	●	●	

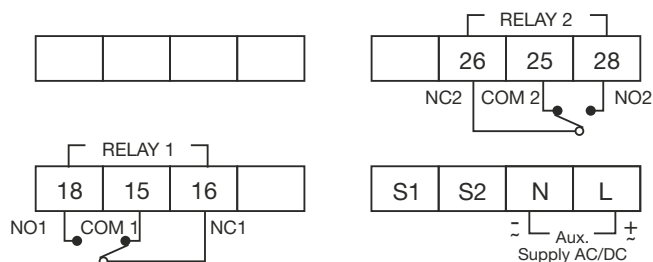
Used with SPCT

See page 12.

DIMENSIONS



TERMINAL CONNECTIONS



See pages 42-43 for timing diagrams.

PROTECTION

FEATURES

- 3Ø - 3 Wire, 3Ø - 4 Wire, 1Ø - 2 Wire Input
- Monitors Under current, Over current and Current asymmetry
- True RMS measurement
- Power ON delay, Trip time delay and Recovery time delay
- Adjustable switching hysteresis
- One alarm relay with NC or NO operation selectable
- LCD with backlight
- DIN Rail Mount
- Size: 35mm (Width)



CAT. NO.

900CPR-3-1-BL

Display	
Display Type	Liquid Crystal Display with backlight
Digits	1 row of 3 digits
Resolution	Current: 0.01 / 0.1 / 1A / 0.01kA
LED Indication	LED 1: Power On, LED 2: Relay
Supply Specification	
Input Voltage	230 V AC +/- 15% (45-65Hz) / 110 V AC +/- 15% (45-65Hz)
Input Specification	
Input Measurement	Current Transformer-Under Current / Over Current / Current Asymmetry
CT Setting	CT: Primary 1A/5A - 999A / CT secondary 1A/5A (Selectable)
Trip Setting	Under Current: 0-999A / Over Current: 0.5-1.19kA / Current Asymmetry: 5.0 - 99.9%
Current Rating	Measuring Range (RMS Value) 0-1.19kA
Output Specification	
Main Output	SPDT - 1 C/O - NO: 5A, 250 V AC and NC:3A, 250 V AC
Functional Specification	
Trip Time Settings	Power ON Delay: 0.5-99.9 sec / Trip Time Delay: 0-99.9 sec / Recovery Time Delay: 0-99.9 sec / Response Time: <200ms
Alarm Indications	Trip
Hysteresis	Current: 0.1-99.9A
Latching	Selectable
Reset	Auto/Manual (Selectable)
Power Consumption	12VA max
Electrical Connection	1Ø-2 wire, 3Ø-3 wire, 3Ø- 4 wire
Accuracy	
Current	+/- 1% of setting, +/- 2 digits
Time Setting	+/- 5% of setting, +/- 200ms
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	146 grams (.32 lbs)
Protection Level	IP50 (for faceplate), IP30 (for housing), IP20 (for terminals)

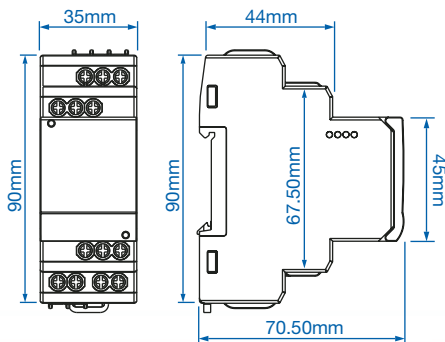
Ordering Information

Part No.	Supply Voltage	CE	RoHS	cUL US
900CPR-3-1-BL-230V-CE	230V AC	●	●	
900CPR-3-1-BL-110V-CE	110V AC	●	●	

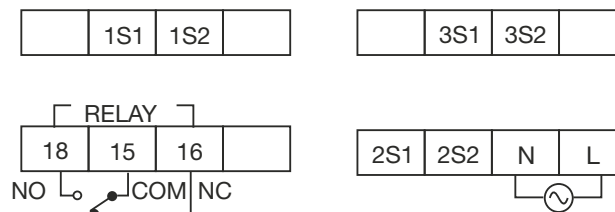
Used with SPCT

See page 12.

DIMENSIONS



TERMINAL CONNECTIONS



! See pages 42-43 for timing diagrams.

PROTECTION

FEATURES

- Use with Different Bus Bar
- Panel Mount / Din Rail Mount (Optional Accessory)
- Accuracy: Class 0.5 to 5



CAT. NO.

SPCT

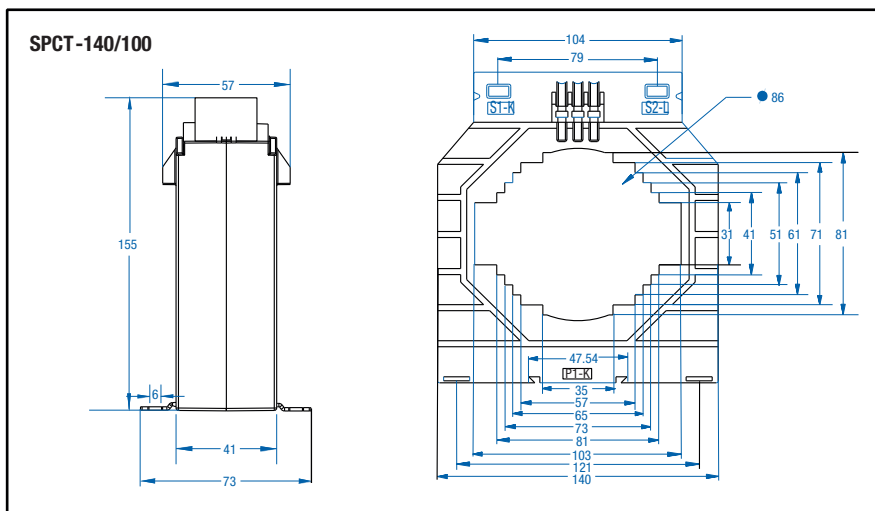
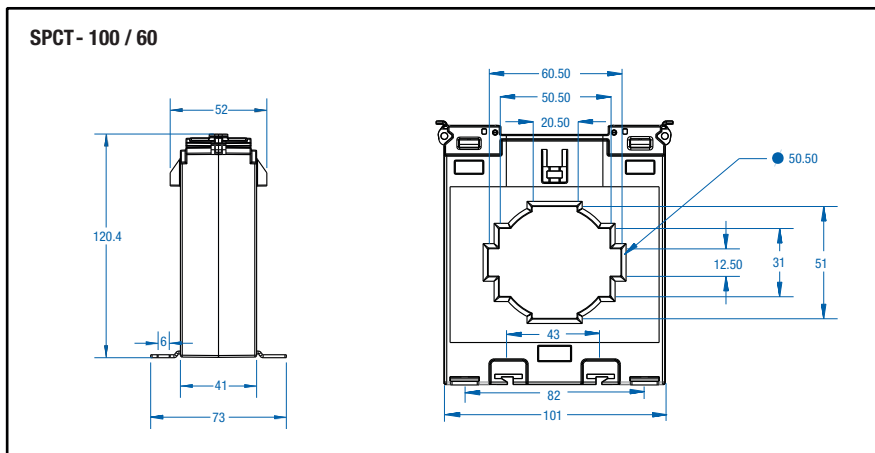
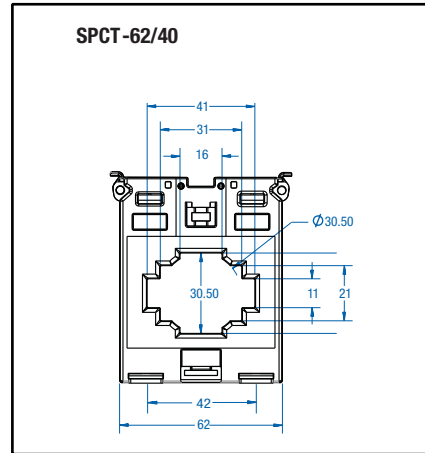
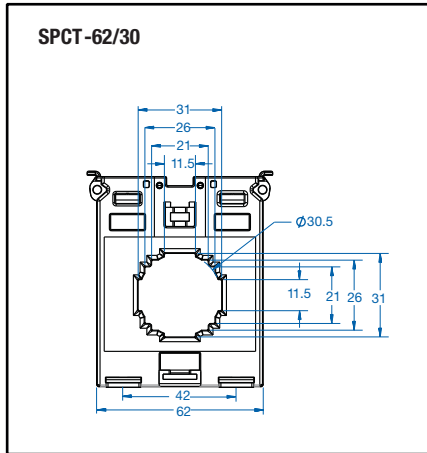
Input Specification	
Rated Primary Rating	30A-4000A
Rated secondary Rating	5A
Technical Specification	
Rated Burden	1 VA-15 VA
Class of Accuracy	0.5-5
Thermal Nominal Continuous	120% of In Rated Current (I _{cth})
Thermal Short Circuit Current (LTH)	I _{lth} =60 X I _n for 1 sec.
Instrument security Factor	FS < 5
Isolation Class	E (120°C max)
Max Operating Voltage (Um)	720 V maximum
Isolation Test Voltage	3 kV AC (1 min.)
Nominal Rated Frequency	AC 50Hz-60Hz
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-5 to 50°C (23 to 122°F)
Humidity (Non-Condensing)	95% Relative Humidity

Ordering Information

Part No.	Wire Aperture (mm)	Current Ratio	Burden in VA	Accuracy Class
SPCT 62/22 30/5 A VA 1 CL 5	DIA 22	30/5	1	5
SPCT 62/30 50/5 A VA 1 CL 3	30x10	50/5	1	3
SPCT 62/30 50/5 A VA 1.5 CL 3	30x10	50/5	1.5	3
SPCT 62/30 75/5 A VA 1 CL 3	30x10	75/5	1	3
SPCT 62/30-75/5 A VA 3 CL 3	30x10	75/5	3	3
SPCT 62/30 100/5 A VA 1 CL 1	30x10	100/5	1	1
SPCT 62/40 100/5 A VA 1 CL 1	30x10	100/5	3	1
SPCT 62/30 100/5 A VA 3 CL 1	40x10	100/5	1	1
SPCT 62/40 125/5 A VA 1 CL 1	40x10	125/5	1	1
SPCT 62/40 150/5 A VA 1.5 CL 1	40x10	150/5	1.5	1
SPCT 62/40 150/5 A VA 3 CL 1	40x10	150/5	3	1
SPCT 62/40 160/5 A VA 1.5 CL 1	40x10	160/5	1.5	1
SPCT 62/40 200/5 A VA 2.5 CL 0.5	40x10	200/5	2.5	0.5
SPCT 62/40 200/5 A VA 3 CL 1	40x10	200/5	3	1
SPCT 62/40 250/5 A VA 2.5 CL 0.5	40x10	250/5	2.5	0.5
SPCT 62/40 250/5 A VA 3 CL 1	40x10	250/5	3	1
SPCT 62/40 300/5 A VA 3 CL 0.5	40x10	300/5	3	0.5
SPCT 62/40 400/5 A VA 3.75 CL 0.5	40x10	400/5	3.75	0.5
SPCT 62/40 400/5 A VA 5 CL 1	40x10	400/5	5	1
SPCT 100/60 500/5 A VA 5 CL 1	60x12	500/5	5	1
SPCT 100/60 600/5 A VA 5 CL 0.5	60x12	600/5	5	0.5
SPCT 100/60 600/5 A VA 7.5 CL 1	60x12	600/5	7.5	1
SPCT 100/60 800/5 A VA 10 CL 0.5	60x12	800/5	10	0.5
SPCT 100/60 1000/5 A VA 15 CL 0.5	60x12	1000/5	15	0.5
SPCT 100/60 1200/5 A VA 15 CL 0.5	60x12	1200/5	15	0.5
SPCT 140/100 800/5 A VA 15 CL 0.5	100x30	800/5	15	0.5
SPCT 140/100 1000/5 A VA 15 CL 0.5	100x30	1000/5	15	0.5
SPCT 140/100 1200/5 A VA 15 CL 0.5	100x30	1200/5	15	0.5
SPCT 140/100 1250/5 A VA 15 CL 0.5	100x30	1250/5	15	0.5
SPCT 140/100 1500/5 A VA 15 CL 0.5	100x30	1500/5	15	0.5
SPCT 140/100 1600/5 A VA 15 CL 0.5	100x30	1600/5	15	0.5
SPCT 140/100 2000/5 A VA 15 CL 0.5	100x30	2000/5	15	0.5
SPCT 140/100 2500/5 A VA 15 CL 0.5	100x30	2500/5	15	0.5
SPCT 140/100 3000/5 A VA 15 CL 0.5	100x30	3000/5	15	0.5
SPCT 140/100 3500/5 A VA 15 CL 0.5	100x30	3500/5	15	0.5
SPCT 140/100 4000/5 A VA 15 CL 0.5	100x30	4000/5	15	0.5

Used with CPR modules. See pages 10-11.

DIMENSIONS



PROTECTION

Used with CPR modules. See pages 10-11.

Closed Toroid for Current Leakage Protection

FEATURES

- Compact
- Reliable and Accurate
- Flexible Design



CAT. NO.

CBCT

Input Specification	
Current Transformer Type	Closed Toroid
Turns Ratio	1000:1
Rated Current	30A
Depth	
CBCT-35-1	2.5mm
CBCT-70-1	2.5mm
CBCT-120-1	2.5mm
CBCT-210-1	2.5mm
CBCT-310-1	2.5mm
Mechanical Specification	
Wire Size (max)	0.2-1.5mm ² (AWG: 24-14)
Screw Tightening Torque	0.5 N-M
Humidity (Non-Condensing)	95% Relative Humidity
Environmental Specification	
Operating Temperature	0 to 55°C (32 to 131°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity

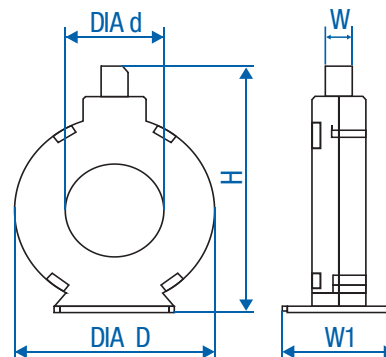
Ordering Information

Part No.	Inner Diameter	Turns Ratio
CBCT - 35-1	35mm	1000:1
CBCT - 70-1	70mm	1000:1
CBCT - 120-1	120mm	1000:1
CBCT - 210-1	210mm	1000:1
CBCT - 310-1	310mm	1000:1

DIMENSIONS

CBCT Type	D	d	H	W	W1
CBCT-35-1	64	45	96	13	52.5
CBCT-70-1	98	82	131	13	87
CBCT-120-1	149	125	184	13	122
CBCT-210-1	268	210	270	25	55
CBCT-310-1	377	310	380	25	65
Std. Tol.	2-3	5-6	-	1.5-2	-

CT Type ZPG (Zero Phase Current)



Used with ELR module. See page 7.