

# CT SELECTION GUIDE






	PRODUCT	GROUND-FAULT CT	GROUND-FAULT TRIP LEVEL (or insulation level)
GROUND FAULT PROTECTION	SE-601	No CTs required	1-20 mA
	PGR-3100	No CTs required	Indication only
	PGR-3200	No CTs required	Warnings at 30 kΩ & 50 kΩ, Alarm at 10 kΩ
	SE-502	No CTs required	5 ± 0.9 mA
	SE-701/SE-703	CT-200 Series	10-198 A
		EFCT Series	50 mA-4.95 A
		SE-CS30 Series	300 mA-29.7 A
SE-704	SE-CS30 Series	10 mA-5 A	
EL731	EFCT Series	30-5,000 mA AC and DC	
TRAILING CABLE PROTECTION	SE-105/SE-107	CT200 Series	0.5-4 A
	SE-134C/SE-135	SE-CS10 Series	0.5-12.5 A
	SE-145	SE-CS10 Series	0.5-12.5 A
SE-CS40 Series		2.0-50 A	
RESISTANCE GROUNDING	SE-330	CT200 Series	12-200 A
		EFCT Series	100 mA-5 A
		SE-CS30 Series	600 mA-30 A
SE-325	CT200 Series	0.5-4 A	
MOTOR & PUMP PROTECTION	PGR-6150	No phase CTs required <25 A, Optional SE-CS30 Series Ground-Fault CT	0.4-150 A
	MPU-32*	CT200 Series	10-200 A
		EFCT Series	50 mA-5 A
		SE-CS30 Series	300 mA-30 A
	MPS*	CT200	10-200 A
		EFCT Series (5-A Primary)	50 mA-5 A
	SE-CS30 Series (30-A Primary)	300 mA-30 A	
MPU-32-X69X-PMA16	Existing CTs can be used or same as MPU-32.		
MPS-469X-PMA24	Existing CTs can be used or same as MPS.		
PGR-6800	No CTs required <91 A	N/A†	
FEEDER PROTECTION	FPU-32*	CT200 Series	10-200 A
		EFCT Series	50 mA-5 A
		SE-CS30 Series	300 mA-30 A
FPS*	CT200	10-200 A	
	EFCT Series (5-A Primary)	50 mA-5 A	
ARC-FLASH PROTECTION	AF1000‡	SE-CS30 Series (30-A Primary)	300 mA-30 A
		CTs are optional	N/A

\*Phase CTs should be selected with a primary rating of 100-300% of rated current to maintain specified accuracy. CTs with a 1-A or 5-A secondary are accepted.

†Trip levels are model specific, see ordering information.

‡Select a CT with a primary rating approximately equal to the system's rated current. CTs with 5-A secondary current are accepted.

# CURRENT TRANSFORMERS

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Product	Features	Inner Diameter	Accessory For	
<b>CT200 (PGC-2056)</b> Current Transformer 	Detects phase current or ground-fault current. (200-A primary)	56 mm (2.20")	<b>SE-330</b> <b>SE-701</b> <b>MPS</b>	<b>SE-105/107</b> <b>MPU-32</b> <b>SE-325</b> <b>FPS</b>
<b>CT200L (PGC-2089)</b> Current Transformer 	Detects phase current or ground-fault current. (200-A primary)	89 mm (3.50")	<b>SE-701</b> <b>SE-107</b> <b>AF1000</b>	<b>SE-105</b> <b>MPS</b> <b>FPS</b> <b>MPU-32</b> <b>FPU-32</b>
<b>EFCT-26 (PGC-3026)</b> Ground-Fault Current Transformer  	Sensitive current transformer used to detect ground-fault current. (5-A primary)	26 mm (1.02")	<b>SE-330</b> <b>SE-701</b>	<b>MPS</b> <b>FPU-32</b> <b>EL731</b> <b>MPU-32</b> <b>FPS</b>
<b>EFCT-1 (PGC-3082)</b> Ground-Fault Current Transformer  	Sensitive current transformer used to detect ground-fault current. (5-A primary)	82 mm (3.23")	<b>SE-330</b> <b>SE-701</b>	<b>MPS</b> <b>FPU-32</b> <b>EL731</b> <b>MPU-32</b> <b>FPS</b>
<b>EFCT-2 (PGC-3140)</b> Ground-Fault Current Transformer  	Sensitive current transformer used to detect ground-fault current. (5-A primary)	140 mm (5.50")	<b>SE-701</b> <b>MPU-32</b> <b>EL731</b>	<b>MPS</b> <b>FPU-32</b> <b>FPS</b>
<b>EFCT-1FC (PGC-31FC)</b> Flux Conditioner 	Fits in the EFCT-1 window to reduce saturation and prevent false operation due to large surge currents.	70 mm (2.75")		<b>EFCT-1</b>
<b>SE-CS10-2.5 (PGC-4064)</b> Current Sensor 	Detects ground-fault current.	64 mm (2.50")	<b>SE-134C</b>	<b>SE-135</b> <b>SE-145</b>
<b>SE-CS10-4 (PGC-4108)</b> Current Sensor 	Detects ground-fault current.	108 mm (4.25")	<b>SE-134C</b>	<b>SE-135</b> <b>SE-145</b>
<b>SE-CS10-6 (PGC-4160)</b> Current Sensor 	Detects ground-fault current.	160 mm (6.31")	<b>SE-134C</b>	<b>SE-135</b> <b>SE-145</b>
<b>SE-CS10-8 (PGC-4210)</b> Current Sensor 	Detects ground-fault current.	210 mm (8.25")	<b>SE-134C</b>	<b>SE-135</b> <b>SE-145</b>
<b>SE-CS30-26 (PGC-5025)</b>   Ground-Fault Current Transformer	Current Transformer for low-level ground faults. (30-A primary)	26 mm (1.02")	<b>SE-704</b> <b>SE-330</b> <b>SE-701</b> <b>PGR-6100</b>	<b>MPU-32</b> <b>MPS</b> <b>FPU-32</b> <b>FPS</b>
<b>SE-CS30-70 (PGC-5060)</b>   Ground-Fault Current Transformer	Current Transformer for low-level ground faults, flux conditioner is standard. (30-A primary)	70 mm (2.76")	<b>SE-704</b> <b>SE-330</b> <b>SE-701</b> <b>PGR-6100</b>	<b>MPU-32</b> <b>MPS</b> <b>FPU-32</b> <b>FPS</b>
<b>SE-CS30-4 (PGC-5095)</b> Ground-Fault Current Transformer 	Current Transformer for low-level ground faults, flux conditioner is standard. (30-A primary)	95 mm (3.74")	<b>SE-704</b> <b>SE-701</b> <b>PGR-6100</b>	<b>MPU-32</b> <b>MPS</b> <b>FPU-32</b> <b>FPS</b>
<b>SE-CS30-5 (PGC-5130)</b> Ground-Fault Current Transformer 	Current Transformer for low-level ground faults, flux conditioner is standard. (30-A primary)	130 mm (5.12")	<b>SE-704</b> <b>SE-701</b> <b>PGR-6100</b>	<b>MPU-32</b> <b>MPS</b> <b>FPU-32</b> <b>FPS</b>
<b>SE-CS30-8 (PGC-5200)</b> Ground-Fault Current Transformer 	Current Transformer for low-level ground faults, flux conditioner is standard. (30-A primary)	200 mm (7.87")	<b>SE-704</b> <b>SE-701</b> <b>PGR-6100</b>	<b>MPU-32</b> <b>MPS</b> <b>FPU-32</b> <b>FPS</b>
<b>SE-CS40-6</b> Current Sensor 	Detects ground-fault current	160 mm (6.31")	<b>SE-135</b>	<b>SE-145</b>