



TECHNICAL INFORMATION

**TITLE: STARTCO GROUND-FAULT/EARTH-LEAKAGE MONITOR
COMPARISON SHEET**

SETPOINT RANGES:	SE-701	SE-703	SE-704
Trip Level	1% to 99% of CT-Primary Rating	75 mA to 1000 mA	10 mA to 500 mA
Trip Time	50 ms to 2500 ms	55 ms to 500 ms	30 ms to 1000 ms
FEATURES:			
Microprocessor Based	Yes	Yes	Yes
Test Switch	Yes	Yes	Yes
Reset Switch/Single Shot	Yes/Yes	Yes/Yes	Yes/Yes
Remote Reset/Single Shot	Yes/Yes	Yes/Yes	Yes/Yes
Size: H x W x D (mm)	75 x 55 x 115	75 x 55 x 115	75 x 55 x 115
Harmonic Filtering Algorithm for Fixed Frequency Application	Yes	Yes	Yes
Peak Detection Algorithm For Variable Frequency Application	Yes	Yes	Yes
Open-CT Detection	Yes	Yes	Yes
Trip Inhibit (Class I/Class II)	11 x CT-Primary Rating	No	No
Hold-up Time > 2 s per AS2081.3	No	Yes	No
USER-SELECTABLE FEATURES:			
Latched/Auto-Reset Trip ¹	Yes	No	Yes
Fixed/Variable Frequency ¹	Yes	Yes	Yes
Open-CT Trip On/OFF	Yes	Yes	Yes
High-Current Trip Inhibit On/Off	Yes	No	No
Fail-Safe/Non-Fail-Safe Modes	Yes	Yes	Yes
ANNUNCIATION:			
Mechanical Flag	Yes	Yes	Yes
Trip LED	Yes	Yes	Yes
Trip-Inhibit LED	Yes	No	No
Power-On LED	Yes	Yes	Yes
CT-Fault Indication	Flashing Trip LED	LED	LED
OUTPUTS:			
Analog Output	0 to 5 V	0 to 5 V	0 to 5 V
Analog Output Scale	5 V = 100%	5mV/mA	10mV/mA
Output Contacts	Isolated N.O. & N.C.	Isolated N.O. & N.C.	Isolated N.O. & N.C.
Fail-Safe/Non-Fail-Safe Operation	Yes	Yes	Yes
CT INPUT:			
5-A Secondary	Yes	No	No
1-A Secondary	Yes	No	No
Startco Sensitive-Ground-Fault CT	EFCT Series ²	EFCT Series	SE-CS30 Series
POWER SUPPLY OPTIONS:			
-01 120 Vac	Yes	Yes	Yes
-02 240 Vac	Yes	Yes	Yes
-03 24 Vac	Yes	Yes	Yes
-0D 9 to 36 Vdc	Yes	Yes ³	Yes
-0S Switch Selectable: 120 Vac or 240 Vac	Yes	Yes ³	Yes
-0T 32-70 Vdc	Yes	Yes ³	Yes
-0U Universal: 55 to 275 Vac and 75 to 275 Vdc	Yes	Yes ³	Yes

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MOUNTING:			
Surface	Yes	Yes	Yes
Panel (Requires PMA-55)	Yes	Yes	Yes
DIN Rail	Yes	Yes	Yes
ENVIRONMENT:			
Operating Temperature	-40°C to 60°C	-40°C to 60°C	-40°C to 60°C
Storage Temperature	-55°C to 80°C	-55°C to 80°C	-55°C to 80°C
Humidity	85% Non-Condensing	85% Non-Condensing	85% Non-Condensing
TESTS:			
CSA Certified to both U.S. and Canadian Standards ⁴	Yes	Yes	Yes
ANSI/IEEE C37.90.1 – 1989	Yes	Yes	Yes
Compliance to Australian Standard SAA-AS 2081	No	Yes	No

Notes:

¹ Selectable for Revision 5 and higher SE-701's.

² EFCT-1, EFCT-2 and EFCT-26 have a 5-A primary rating allowing a trip range from 50 mA to 4950 mA.

³ Not Compliant to Australian Standard SAA-AS 2081.

⁴ CSA certification is pending for universal and dc power supply models.

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