

GF-05 : GROUND-FAULT/EARTH-LEAKAGE MONITOR COMPARISON SHEET

	SE-701	SE-703	SE-704
Setpoint Ranges			
Trip Level	1 to 99% of CT-Primary Rating	25 to 500 mA	10 to 5,000 mA
Trip Time	50 to 2,500 ms	50 to 500 ms	30 to 2,000 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
User-Selectable Features			
Latched/Auto-Reset Trip	Yes	No	Yes
Fixed/Variable Frequency	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
Analog Output: %5 A / % setting	No	No	Yes
Annunciation			
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	Yes	Yes	Yes
0 to 1 mA	No	No	Yes
Scale	5 V = 100%	10 mV/mA	1V/A and 0.2 mA/A, or 1 mA and 5 V = setting
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
Sensitive Ground-Fault CT	EFCT Series ¹	EFCT Series	SE-CS30 Series

GF-05 : GROUND-FAULT/EARTH-LEAKAGE MONITOR COMPARISON SHEET

	SE-701	SE-703	SE-704
Power Supply Options			
-03 24 Vac	Yes	Yes	Yes
-0D 9 to 36 Vdc	Yes	Yes	Yes
-0T 32-70 Vdc	Yes	Yes	Yes
-0U Universal: 55 to 275 Vac and 75 to 275 Vdc	Yes	Yes	Yes
Mounting			
Surface	Yes	Yes	Yes
Panel (Requires PMA-55 or PMA-60)	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	Yes	Yes	Yes
ANSI/IEEE C37.90.1 - 1989	Yes	Yes	Yes
Compliance to Australian Standard SAAA-AS 2081:2002	No	Yes	No
Compliance to IEC 61010-1:2001 and EN61010-1:2001	Yes	Yes	Yes
C-tick Compliant	Yes	Yes	Yes
CE Certified	Yes	Yes	Yes

¹ EFCT-1, EFCT-2 and EFCT-26 have a 5-A primary rating allowing a trip range from 50 to 4,950 mA