



GROUND-FAULT/EARTH-LEAKAGE MONITOR COMPARISON SHEET

FEATURES	EL731	SE-701	SE-703	SE-704
SETPOINT RANGES				
Trip Level	30 mA - 5 A	1 to 99% of CT-Primary Rating	25 to 500 mA	10 to 5,000 mA
Trip Time	0-2 seconds (2081 Range: 0 - 500 ms)	50 to 2,500 ms	50 to 500 ms	30 to 2,000 ms
Output	4-20 mA programmable current	0-5 Vdc	0-5 Vdc	0-1 mA or 0-5 Vdc
COMMUNICATION				
Ethernet	Optional	No	No	No
DeviceNet	Optional	No	No	No
Profibus	Optional	No	No	No
Modbus	Optional	No	No	No
COMPUTER INTERFACE				
Field Flash Upgradeable	With AC700-CUA-00 Upgrade Module	No	No	No
FREQUENCY RESPONSE				
	0-6 kHz ¹	20-420 Hz	20-420 Hz	20-420 Hz
TEMPERATURE INTERFACE				
PTC Overtemperature	Yes	No	No	No
RTD Temperature	Yes	No	No	No
Metering	Yes	No	No	No
HARDWARE ARCHITECTURE				
Microprocessor Based	Yes	Yes	Yes	Yes
Display	2 x 16 character OLED	No	No	No
Test Switch	Yes	Yes	Yes	Yes
Reset Switch/Single Shot	Yes/Yes	Yes/Yes	Yes/Yes	Yes/ Yes
Remote Reset/Single Shot	Yes/Yes	Yes/Yes	Yes/Yes	Yes/ Yes
Size: H x W x D (mm)	48 x 96 x 129	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	Yes
Peak Detection Algorithm for Variable Frequency Application	Yes	Yes	Yes	Yes
Open-CT Detection	Yes	Yes for EFCT series	Yes	Yes
Short-CT Detection	Yes	No	No	No
Trip Inhibit (Class I/Class II)	No	11 x CT-Primary Rating	No	No

¹ Using both CT's



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USER-SELECTABLE FEATURES				
Password Protection	Yes ²	No	No	No
Latched/Auto-Reset Trip	No	Yes	No	Yes
Fixed/Variable Frequency	Full frequency with selection of range	Yes	Yes	Yes
Open-CT Trip On/Off	No, Always Enabled	Yes	No, Always Enabled	Yes
High-Current Trip Inhibit On/Off	No	Yes	No	No
Fail-Safe/Non-Fail-Safe Modes	Yes	Yes	Yes	Yes
ANNUNCIATION				
Trip LED	Yes	Yes	Yes	Yes
Trip-Inhibit LED	No	Yes	No	No
Alarm LED	Yes	No	No	No
Power-On LED	Yes	Yes	Yes	Yes
CT-Fault LED	Yes	Flashing Trip LED	Yes	Yes
Metering Display	2-line, 16-character OLED	No	No	No
OUTPUTS				
Analog Output:				
Type	4-20 mA	0-5 V	0-5 V	0-5 V and 0-1 mA
Scale	20 mA = 5 A or 20 mA = trip setting	5 V = 100% CT Primary	10 mV/mA	1 V/A and 0.2 mA/A, or 1 mA and 5 V = setting
Output Contacts	(3) N.O. & N.C. (Form C)	Isolated N.O. & N.C.	Isolated N.O. & N.C.	Isolated N.O. & N.C.
Fail-Safe/Non-Fail-Safe Operation	Yes	Yes	Yes	Yes
CT INPUT				
5-A Secondary	No	Yes	No	No
1-A Secondary	No	Yes	No	No
Sensitive Ground-Fault CT	EFCT Series (2 max)	EFCT Series	SE-CS30 Series	EFCT Series

² Password always enabled with AS/NZS 2081:2011 Regional Option

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POWER SUPPLY OPTIONS				
Option A	120 to 240 Vac and 100 to 250 Vdc (-0X-X0)	Universal 55 to 275 Vac and 75 to 275 Vdc (-0U)	Universal 55 to 275 Vac and 75 to 275 Vdc (-0U)	Universal 55 to 275 Vac and 75 to 275 Vdc (-0U)
Option B	24 to 44 Vac and 32 to 60 Vdc (-1X-X0)	24 Vac (-03)	24 Vac (-03)	24 Vac (-03)
Option C	16 to 30 Vdc (-2X-X0)	12/24 Vdc (-0D)	12/24 Vdc (-0D)	12/24 Vdc (-0D)
Option D	N/A	48 Vdc (-0T)	48 Vdc (-0T)	48 Vdc (-0T)
MOUNTING				
Surface	Yes (Requires AC700-SMK)	Yes	Yes	Yes
Panel	Yes	Yes (Requires PMA-55 or PMA-60)	Yes (Requires PMA-55 or PMA-60)	Yes (Requires PMA-55 or PMA-60)
DIN-Rail	Yes (Requires AC700-SMK)	Yes	Yes	Yes
ENVIRONMENT				
Operating Temperature	-40°C to 60°C	-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	-55°C to 80°C
Humidity	85% Non-Condensing	85% Non-Condensing	85% Non-Condensing	85% Non-Condensing
Tests				
CSA Certified to both U.S. and Canadian Standards	Yes	Yes	Yes	Yes
ANSI/IEEE C37.90.1 - 1989	Yes	Yes	Yes	Yes
Compliance to Australian Standard AS/NZS 2081:2002	N/A	No	Yes	No
Compliance to Australian Standard AS/NZS 2081:2011	Yes (-XX-10)	No	No	No
Compliance to IEC 61010-1:2001 and EN61010-1:2001	No	Yes	Yes	Yes
C-tick Compliant	Yes	Yes	Yes	Yes
CE Certified	No	Yes	Yes	Yes
CERTIFICATION				
UL Registered	Yes	Yes	Yes	Yes