



## IPD to OCS Protection System Differences

### PROTECTION SYSTEM FEATURE DIFFERENCES

IPD SYSTEM FEATURES	OCS SYSTEM FEATURES
Certification: IECEX ITA 07.0018X	Certification: IECEX ITA 12.0032X
Earth Leakage: AS2081-2002	Earth Leakage: AS2081-2011
Earth Continuity (including remote start mode) : AS2081-2002	Earth Continuity (including remote start mode) : AS2081-2011
Earth Fault Lockout – LV & HV Test: AS2081-2002	Earth Fault Lockout – LV & HV Test: AS2081-2011
Short circuit protection: Standard and Transient addition	Short circuit protection: Standard and Long Time SC when in MOL mode only
Contactors Failure protection: AS2081-2002	Contactors Failure protection: AS2081-2011
Current balance protection	Current balance protection
Overload / Overcurrent protection (IEC 60255-151), Very Inverse Only	Overload /Overcurrent protection (IEC 60255-151), Very Inverse and Extremely Inverse
Motor thermal overload protection (IEC 60255-8)	Motor thermal overload protection (IEC 60255-8)
Under current protection	Under current protection
Under voltage protection	Under voltage protection
Back EMF Setting	Back EMF Setting
Hard wired Fan Interlocking	PLC Controlled Fan Interlocking
Settings via RDM	Settings via HMI interface
Limited Diagnostics through RDM	All internal diagnostics available over Ethernet/IP
120 Event Logs Stored	50 Event Logs Stored
31 Event Log Descriptions	140 Event Log Descriptions
IPD Settings lost when replaced	OCS Memory Dongle stores outlet settings
Remote Termination Unit: RTU-D3	Remote Termination Unit: RTX
4x RTD inputs into RTU-D3	5x RTD inputs into RTX
IPD/RTU-D3 Settings lost when replaced	RTX Memory Dongle stores OCS + RTX settings
Read only communications	Protection settings and parameter adjustments over Ethernet/IP
Hardwired Reset / Start / Stop	Reset / Start / Stop over Ethernet/IP
2x Phase CT Monitoring CT's	3x Phase CT Monitoring CT's

## ELECTRICAL COMPONENT REQUIREMENT DIFFERENCES

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IPD SYSTEM FEATURES	OCS SYSTEM FEATURES
IPD RELAY	OCS RELAY
RELAY BASE	RELAY BASE
RDM D DISPLAY	-
IPSI DNET	-
DNET PROTOCOL CONVERTER	-
DNET POWERSUPPLY	-
IKD KEYPAD	-
IKD KEYPAD INTERFACE	-
REMOTE TERMINATION UNIT RTU D3	REMOTE TERMINATION UNIT RTX
CABLE CONNECTION MODULE (415V or 1.1KV or 3.3KV CCMD)	-
1x EL TOROID	1x EL TOROID
2x Phase CT's	3x Phase CT's
-	PLC + HMI Interface
-	IPX Dongle
-	RTX Dongle

### FIND OUT MORE

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For more information on these products, please contact Ampcontrol Customer Service on +61 1300 267 373 or [customerservice@ampcontrolgroup.com](mailto:customerservice@ampcontrolgroup.com) or visit the Ampcontrol website: [www.ampcontrolgroup.com](http://www.ampcontrolgroup.com)

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