



## universal protection relay, PowerLogic P3U30 universal protection feeder and motors

P3U30

### Main

Range Of Product	PowerLogic P3
Relay Application	Feeder
Product Reference	P3U
Device Mounting	Flush
Mounting Support	Rack
Mounting Mode	Disconnectable
Power Supply	110230 V AC/DC 50/60 Hz tolerance: + 10 % - 15 % 2448 V AC/DC
Measuring Inputs	: 1/5 A CT 16 : 1/0.2 A CT
Number Of Digital Outputs (Do)	8 digital
Communication Protocols	TCP/IP all counters conforming to 60255-5 TCP/IP -
Redundancy Communication Port Protocol	PRP RSTP
Cybersecurity	Enable/disable communication ports Firmware signature Password protection Port hardening Role-based access control

Protection Functions	Phase overcurrent 50/51
	Phase overcurrent 50/51 8
	Directional phase overcurrent 67
	Earth fault overcurrent 50N/51N
	Directional earth fault 67N
	Transient earth fault 67NI Capacitor bank unbalance 51C
	Current protection 46 I2/I1
	Cold load pick-up CPLU 50/51
	Harmonic distortion 50/51
	Circuit breaker protection 50 BF
	Switch ON to fault (SOTF) 50/51
	Underload 32P
	Fault locator 21FL Recloser 79
	Undercurrent 37
	Locked rotor for starting 48/51LR
	Motor restart inhibition 66
	Capacitor overvoltage 59C
	Negative sequence overcurrent 46
	Overvoltage (L-L or L-N) 59
	Undervoltage (L-L or L-N) 27
	Positive sequence undervoltage 27P Earth fault overcurrent 51N/51G
	Underfrequency 81
	Overfrequency 810
	Rate of change of frequency 81R
	Synchro-check 25
	Lockout 86
	CT supervision 60
	VT supervision 60
	Programmable stages 99
	Programmable curve 99
	Logic selectivity Thermal overload for feeder 49T
	Thermal overload for machines 49T
Relay Type	Multifunction control relay
Controllable Switchgear Devices	4 controlled + 8 displayed
Number Of Setting Groups	User
Monitoring Functions	Trip circuit supervision 74
ŭ	Circuit breaker monitoring
	Relay self-monitoring
Switchgear Diagnosis Type	Cumulative breaking current (2 configurable buttons)
	Trip circuit supervision
	Nb of operations, operating time, charging time, nb of racking out operations VT supervision
	CT supervision
Connections - Terminals	Ring lugs flush mounting
	Clamp terminal
Complementary	
Input Power Interruption	50 ms
Maximum Power Consumption In	15 W typical
W	25 W maximum
Time Synchronisation Protocol	SNTP
•	IRIG-B
Software Name	Easergy SmartApp
	ESetup Easergy Pro
Number Of Key	2 contextual key
	1 home
	1 for LED test
	1 local/remote
	5 for navigation
	2 for switchgear control
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11 x LED red status and alert 1 x LED green programmable

Local Signalling

Communication Compatibility	IEC 61850 Modbus RTU DNP3 IEC 60870-5-103 IEC 61850 goose message Modbus TCPIP Modbus
Device Connection	Extension port straight Serial port straight Serial port fiber optic Ethernet port straight Ethernet port fiber optic
Standards	EN 60255-26 EN 60255-27
Height	Total: 176 mm
Width	Total: 171 mm
Depth	Total : 226 mm
Net Weight	2.5 kg minimum

### **Environment**

Ip Degree Of Protection	IP54 conforming to IEC 60529
Relative Humidity	095 % at -4060 °C

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

### Sustainability Screen Premium\*

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Transparency RoHS/REACh

### Well-being performance



Mercury Free



Rohs Exemption Information

Yes

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information