



generator and differential protection relay, PowerLogic P3G30

P3G32

Main

Range Of Product	PowerLogic P3
Relay Application	Generator
Product Reference	P3G32
Device Mounting	Flush
Mounting Support	Rack
Mounting Mode	Flush mounting
Power Supply	110230 V AC/DC 50/60 Hz tolerance: + 10 % - 15 % 2448 V AC/DC 50/60 Hz tolerance: + 10 % - 15 %
Measuring Inputs	: 1/5 A CT 36 : 1/0.2 A CT
Number Of Digital Outputs (Do)	22 digital
Communication Protocols	TCP/IP all counters conforming to 60255-5 DNP3 - DNP3 TCP DeviceNet Ethernet IP/Modbus TCP Modbus RTU Profibus DP SPAbus
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 22
	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
	Excessive starting time, locked rotor 48/51LR
	Thermal overload for machines 49T
	Underimpedance 21G
	Directional active underpower 32P
	Field loss (underimpedance) 40
	Restricted earth fault 64REF
	Pole slip 78PS
	Stator earth fault 64S
	Differential protection 87M
Relay Type	Multifunction control relay
Controllable Switchgear Devices	6 controlled + 8 displayed
Number Of Setting Groups	User
Monitoring Functions	Trip circuit supervision 74
	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	Clamps terminal flush mounting
	Ring lugs
Complementary	
Input Power Interruption	50 mg

Input Power Interruption	50 ms
Maximum Power Consumption In W	20 W typical 28 W maximum
Time Synchronisation Protocol	SNTP IRIG-B
Software Name	Easergy SmartApp ESetup Easergy Pro

	2 contextual key
Number Of Key	1 home
	1 for LED test
	1 local/remote
	5 for navigation
	2 for switchgear control
Local Signalling	2 x LED red status and alert
	16 x LED green/red/orange programmable
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: 177 mm
Width	Total: 264 mm
Depth	Total : 208 mm
	4.2 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

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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