

RFL® GARD 8000® 3U - Ordering Information

Product Smart Number >> GARD 3U		Front Slots 4 - 3 /-Select 2 Functions-\		Rear Slots 1 through 4 /-----Select 4 I/O-----\													
Front Panel Touch Screen Display		Front Slot 4		Front Slot 3		Rear Slot 1		Rear Slot 2		Rear Slot 3		Rear Slot 4					
None																	
Yes		0															
Yes with Stylus Tether		TSD															
Yes with Stylus Tether		TSDT															
Front Panel Test Switch																	
None		0															
With Audio Tone Test Jacks		TA															
Standard		TD															
Primary Power Supply Voltage Input																	
24 VDC		24															
48 VDC		48															
125 VDC or 120 VAC		125															
250 VDC		250															
Redundant Power Supply Voltage Input																	
None		0															
24 VDC		24															
48 VDC		48															
125 VDC or 120 VAC		125															
250 VDC		250															
Power Supply Interface																	
With Multiprotocol (RS-449, V.35, X.21) Digital I/O		MP															
With Multiprotocol (RS-449, V.35, X.21) Digital I/O & No Power Switch		MN															
With G.703 Digital I/O		G7															
With Double Pole Switched Battery Output		DP															
With Multiprotocol (RS-449, V.35, X.21) Digital I/O & Ext PLC Amp Sw Battery		SP															
Front System Display Module																	
With Standard Digital Teleprotection Functionality		TP															
With 96-Bit Digital Teleprotection Functionality		96															
With RFL® 9745 Compatable Digital Teleprotection Functionality		97															
Without Digital Teleprotection Functionality		No															
Redundant Controller																	
No		0															
System I/O Ethernet Port Type																	
Electrical		E															
Fiber Optic		F															
GPS for System Clock Synchronization																	
Yes		G															
No		0															
Front Functional Modules (Select Eight with 6U and Two with 3U)																	
Distance Line Protection Relay		D															
Current Differential Line Protection Relay		C															
Current Differential Line Protection Relay - Breaker and a Half		B & X (uses two slots)															
Power Line Carrier FSK or On/Off (50 Ohms) w/CLI Meter		P5 & 0 (uses two slots)															
Power Line Carrier FSK or On/Off (75 Ohms) w/CLI Meter		P7 & 0 (uses two slots)															
TX Only Power Line Carrier FSK (50 Ohms)		T5 & 0 (uses two slots)															
TX Only Power Line Carrier FSK (75 Ohms)		T7 & 0 (uses two slots)															
RX Only Power Line Carrier FSK (50/75 Ohms) w/CLI Meter		PR & 0 (uses two slots)															
Power Line Carrier FSK or On/Off - No Hybrid (50 Ohms) w/CLI Meter		PN & 0 (uses two slots)															
Power Line Carrier for External Power Amp		PX & 0 (uses two slots)															
Standard Digital Teleprotection		TP															
RFL® 9745 Compatable Digital Teleprotection		97															
Metering Module		M															
96-Bit Digital Teleprotection		96															
Empty		0															
Rear I/O Terminal Block Type																	
Screw		S															
Commpression		C															
Rear I/O Modules (Select Ten with 6U and Four with 3U)																	
Occupied Slot Based On Front Module Selection		X															
Empty		0															
Ethernet Teleprotection Module - Fiber w/ x2 100Base-FX SFP		ET															
Ethernet Teleprotection Module - Electrical		EE															
8 Channel Telemetry Module		TM															
Audio Tone Teleprotection																	
Audio Tone Teleprotection with 16-bit Status and Data I/O		AU															
Digital Communications Modules and Discrete I/O		With Discrete I/O >>		None		Input		Red. Input		SS Out		Relay Out		Latch Out		Relay Form C	
T1 (DB15/RJ48)		T0		TI		TD		TS		TR		TL		TC			
E1 (DB15/RJ48)		N0		NI		ND		NS		NR		NL		NC			
E1 (BNC 50 or 75 ohm)		E0		EI		ED		ES		ER		EL		EC			
Multiprotocol (RS-449, V.35, X.21)		M0		MI		MD		MS		MR		ML		MC			
G.703 (DB15)		G0		GI		GD		GS		GR		GL		GC			
Dual RS-232 (for pass-thru only)		A0		AI		AD		AS		AR		AL		AC			
Short Haul Fiber C37.94, 820nm LED Multimode (ST)		H0		HI		HD		HS		HR		HL		HC			
Short Haul Fiber C37.94, 820nm LED Singlemode (ST)		B0		BI		BD		BS		BR		BL		BC			
Long Haul Fiber, 1300nm LED Singlemode/Multimode (ST)		F0		FI		FD		FS		FR		FL		FC			
Long Haul Fiber, 1300nm LASER Singlemode (ST)		30		3I		3D		3S		3R		3L		3C			
Long Haul Fiber, 1550nm LASER Singlemode (ST)		50		5I		5D		5S		5R		5L		5C			
Discrete I/O Units																	
6 Inputs		IE															
6 Redundant Inputs		DE															
6 Solid State Outputs		SE															
6 Relay Outputs		RE															
2 Latching Relay Outputs and 2 Relay Outputs		LE															
3 Relay Outputs Form C		CE															
12 Inputs		II															
12 Redundant Inputs		DD															
12 Solid State Outputs		SS															
12 Relay Outputs		RR															
4 Latching Relay Outputs and 4 Relay Outputs		LL															
6 Relay Outputs Form C		CC															
6 Solid State Outputs and 6 Relay Outputs		SR															
6 Relay Outputs and 3 Relay Outputs Form C		SC															
6 Solid State Outputs and 6 Inputs		SI															
6 Relay Outputs and 6 Inputs		RI															
2 Latching Relay Outputs and 2 Relay Outputs and 6 Inputs		LI															
2 Latching Relay Outputs and 2 Relay Outputs and 6 Solid Sate Outputs		LS															
2 Latching Relay Outputs and 2 Relay Outputs and 6 Relay Outputs		LR															
Current Limiting Output																	
None		0															
48 Vdc		CL48															
125 Vdc		CL125															
System Firmware																	
Standard (Current Released Version) - Blank selection																	
Version 10.1.0.7263		1															
Version 10.2.0.8348		2															
Version 10.4.0.9524		3															
Version 11.4.2.98		4															
Version 11.4.2.108		5															
Version 11.4.2.112		6															