

RFL® GARD 8000® 6U - Ordering Information

| | Front Slots 8 through 1 -----Select 8 Functions----- | | | | | | | | Rear Slots 1 through 10 -----Select 10 I/O----- | | | | | | | | | | | | |
|--|---|-------|------------|--------|-----------|-----------|--------------|---|--|---|---|---|---|---|---|---|---|---|---|---|--|
| Product Smart Number >> | GARD | 6U | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Front Panel Touch Screen Display | | | | | | | | | | | | | | | | | | | | | |
| None | 0 | | | | | | | | | | | | | | | | | | | | |
| Yes | 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 | | | | | | | | | | | | | | | | | | | | |
| Dual PS 24 VDC (for multiple PLC applications) | D24 | | | | | | | | | | | | | | | | | | | | |
| Dual PS 48 VDC (for multiple PLC applications) | D48 | | | | | | | | | | | | | | | | | | | | |
| Dual PS 125 VDC or 120 VAC (for multiple PLC applications) | D125 | | | | | | | | | | | | | | | | | | | | |
| Dual PS 250 VDC (for multiple PLC applications) | D250 | | | | | | | | | | | | | | | | | | | | |
| Redundant Power Supply Voltage Input | | | | | | | | | | | | | | | | | | | | | |
| None | 0 | | | | | | | | | | | | | | | | | | | | |
| 24 VDC | 24 | | | | | | | | | | | | | | | | | | | | |
| 48 VDC | 48 | | | | | | | | | | | | | | | | | | | | |
| 125 VDC or 120 VAC | 125 | | | | | | | | | | | | | | | | | | | | |
| 250 VDC | 250 | | | | | | | | | | | | | | | | | | | | |
| Dual PS 24 VDC (for multiple PLC applications) | D24 | | | | | | | | | | | | | | | | | | | | |
| Dual PS 48 VDC (for multiple PLC applications) | D48 | | | | | | | | | | | | | | | | | | | | |
| Dual PS 125 VDC or 120 VAC (for multiple PLC applications) | D125 | | | | | | | | | | | | | | | | | | | | |
| Dual PS 250 VDC (for multiple PLC applications) | D250 | | | | | | | | | | | | | | | | | | | | |
| 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 Multiprotocol (RS-449, V.35, X.21) Digital I/O & Single Pole Switched Batt. | SP | | | | | | | | | | | | | | | | | | | | |
| Front System Display Module | | | | | | | | | | | | | | | | | | | | | |
| With Standard Digital Teleprotection Functionality | TP | | | | | | | | | | | | | | | | | | | | |
| With 96-Bit Digital Teleprotection Functionality | 96 | | | | | | | | | | | | | | | | | | | | |
| With RFL® 9745 Compatible Digital Teleprotection Functionality | 97 | | | | | | | | | | | | | | | | | | | | |
| Without Digital Teleprotection Functionality | No | | | | | | | | | | | | | | | | | | | | |
| Redundant Controller | | | | | | | | | | | | | | | | | | | | | |
| Yes | R | | | | | | | | | | | | | | | | | | | | |
| 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) | | | | | | | | Consumes two rear slots in corresponding slot number | | | | | | | | | | | | |
| Power Line Carrier FSK or On/Off (50 Ohms) w/CLI Meter | P5 & 0 (uses two slots) | | | | | | | | Consumes two rear slots in corresponding slot number | | | | | | | | | | | | |
| Power Line Carrier FSK or On/Off (75 Ohms) w/CLI Meter | P7 & 0 (uses two slots) | | | | | | | | Consumes two rear slots in corresponding slot number | | | | | | | | | | | | |
| TX Only Power Line Carrier FSK (50 Ohms) | T5 & 0 (uses two slots) | | | | | | | | Consumes two rear slots in corresponding slot number | | | | | | | | | | | | |
| TX Only Power Line Carrier FSK (75 Ohms) | T7 & 0 (uses two slots) | | | | | | | | Consumes two rear slots in corresponding slot number | | | | | | | | | | | | |
| RX Only Power Line Carrier FSK (50/75 Ohms) w/CLI Meter | PR & 0 (uses two slots) | | | | | | | | Consumes two rear slots in corresponding slot number | | | | | | | | | | | | |
| Power Line Carrier FSK or On/Off - No Hybrid (50 Ohms) w/CLI Meter | PN & 0 (uses two slots) | | | | | | | | Consumes two rear slots in corresponding slot number | | | | | | | | | | | | |
| Power Line Carrier for External Power Amp | PX & 0 (uses two slots) | | | | | | | | Consumes two rear slots in corresponding slot number | | | | | | | | | | | | |
| Standard Digital Teleprotection | TP | | | | | | | | | | | | | | | | | | | | |
| RFL® 9745 Compatible Digital Teleprotection | 97 | | | | | | | | | | | | | | | | | | | | |
| Metering Module | M | | | | | | | | | | | | | | | | | | | | |
| 96-Bit Digital Teleprotection | 96 | | | | | | | | | | | | | | | | | | | | |
| Empty | 0 | | | | | | | | | | | | | | | | | | | | |
| Rear I/O Terminal Block Type | | | | | | | | | | | | | | | | | | | | | |
| Screw | S | | | | | | | | | | | | | | | | | | | | |
| Compression | C | | | | | | | | | | | | | | | | | | | | |
| Rear I/O Modules (Select Ten with 6U and Four with 3U) | | | | | | | | | | | | | | | | | | | | | |
| Occupied Slot Based On Front Module Selection | X | | | | | | | | | | | | | | | | | | | | |
| Empty | 0 | | | | | | | | | | | | | | | | | | | | |
| IEC 68150 GOOSE Module | ET | | | | | | | | | | | | | | | | | | | | |
| 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/E1 (DB15/RJ48) | T0 | TI | TD | TS | TR | TL | TC | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | |
| 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 State 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 | | | | | | | | | | | | | | | | | | | | |