M FAMILY FEATURE COMPARISON

The M+ PC software program may be run on a PC with the Windows 95/98/NT operating systems. The program may be used locally on the RS232 front serial port or remotely on the RS485 port. It provides full access to the relay data with the following features:

- View actual values
- View relay status
- View/edit settings on-line/off-line
- View event recorder for troubleshooting
- Configure inputs, outputs and LEDs through programmable logic
- Utilize a custom protection curve
- Upgrade relay firmware

All status information such as target messages and digital input/output states may be viewed with the M+ PC software.

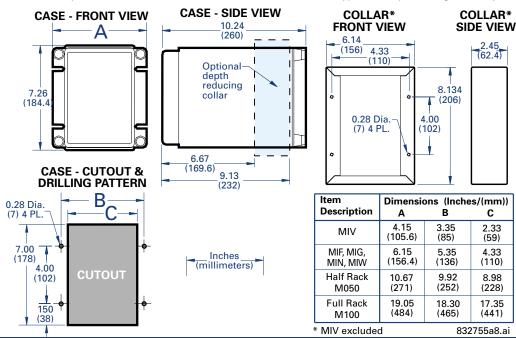
M FAMILY COMMON **GUIDEFORM** SPECIFICATIONS

The relay shall be provided in one integrated package suitable for incorporation in an integrated substation or industrial protection and control system. It shall be modular design to easily facilitate upgrading or repair by replacement of modules. The faceplate interface shall include an alphanumeric vacuum fluorescent display. keypad, and LED target indicators.

	FEATURES	DEVICE	MIF	MIG	MIN	MIV	MIW
PROTECTION	Phase Undervoltage	27P					
	Directional Low Forward Power	32LF					
	Directional Reverse Power	32RP					
	Loss of excitation	40					
	Current Unbalance	46					
	Voltage Unbalance	47					
	Thermal Image Unit	49					
	Ground Overvoltage	59N					
	Ground IOC	50NH/50NL					
	Phase IOC	50PH/50PL					
	GroundTOC	51N					
	PhaseTOC	51P					
	Phase Overvoltage	59					
	Fuse Failure	VTFF					
	Ground Directional	67N					
	Isolated Ground Directional	67IG					
	Petersen Coil Ground Directional	67PC					
	Overfrequency	810					
	Underfrequency	81U					
	Starts/hour and Locked Rotor						
	Undercurrent						
	Restricted Earth Fault	87R		0			
	Breaker Failure Protection		0		0		
	Programmable I/O and LEDs		0		0		
	Breaker Arcing Current		0				
	Programmable Logic		0		0		
	Multiple Setting Groups						
AND METERING							
	Event Recorder		0		0		
	Oscillography		0		0		
	Thermal Capacity						
COMMUNICATIONS	Alphanumeric Display						
	3 button keypad						
	ModBus® Communications						
	RS232 Serial Port						
Ş	RS485 Serial Port						

DIMENSIONS

The M Family of products have a drawout construction in 4" wide modules for relays including current channels or in 2" wide modules for relays including only voltage channels. These drawout modules may be mounted in standard 19" racks, half racks, individual cases, or supplied with depth reducing collar for space efficiency.



www.GEindustrial.com/pm