MLP TECHNICAL SPECIFICATIONS

METERING

Frequency:	50 or 60 Hz (selectable)
Rated Current:	1 or 5 A
Rated Phase to Phase Voltage:	
	110 VAC at 50 Hz
	120 VAC at 60 Hz
Auxiliary Voltage:	48/125 VDC, ±20%
	110/250 VDC, ±20%

INPUTS

THERMAL CAPACITY

Current Circuits:	
Continuous:	4 x In
Three sec:	50 x In
One sec:	100 x In
Voltage Circuits:	
Continuous:	2 x Vn
One min:	3.5 x Vn

COMMUNICATIONS

1 mm plastic Fiber Optics
100/140 or 50/125 Glass Fiber Optics

OUTPUTS

CONTACTS

Trip and Close:	
Make and Carry:	3000 W during 0.2 sec with a max of 35 A and 300 VDC
Carry Continuously:	8 A
Break:	150 W with a max of 8 A or 380 VDC max
Make/Break Delay:	10 ms/4 ms

AUXILIARY CONTACTS

Max Operating Power:	1760 VA
Max Operating Current:	8 A
Rated Current:	8A
Max Operating Voltage:	250 VDC/380 VAC
Connection Time:	12 ms
Reclose Time:	10 ms

TRANSMISSION START CONTACT (REED RELAY)

Max Operating Voltage:	500 VDC
Max Operating Current:	0.5 A
Max Operating Power:	20 W
Make Delay:	0.5 ms

ENVIRONMENTAL

Ambient Temperature:	
Operation:	-20°C to + 55°C
Storage:	-40°C to + 65°C
Ambient Humidity:	up to 95% without condensation

TYPE TESTS

Dielectric Test:	2 kV, 50/60 Hz, 1 min
Voltage Withstand Test:	5 kV peak 0.5 J
1 MHz Interference Test:	Class III (IEC 255-22-1)
Electrostatic Discharge:	Class IV (IEC 255-22-2)
Radio Interference:	Class III (IEC 255-22-3)
Fast Transient:	Class III (IEC 255-22-4)

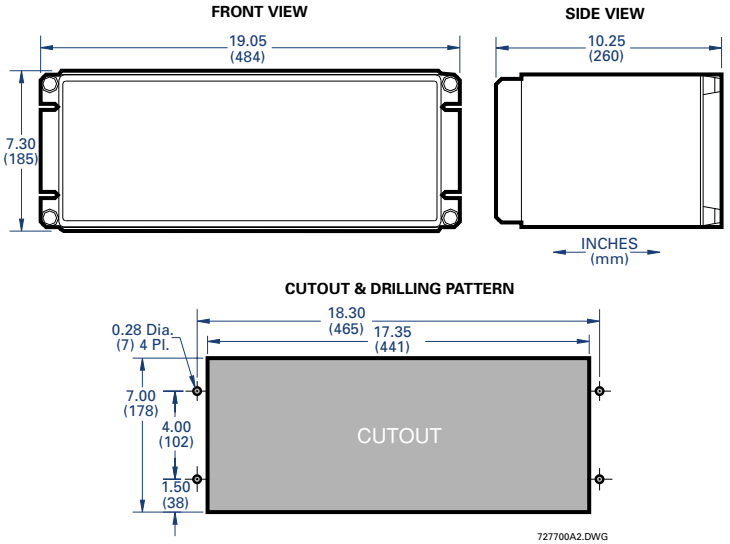
APPROVALS

CE Compliant

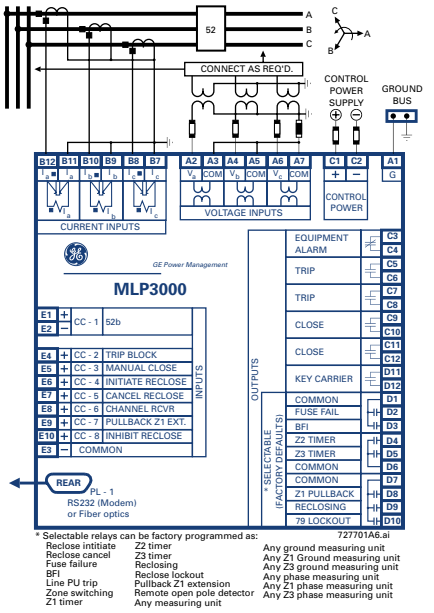
*Specifications subject to change without notice.

8

DIMENSIONS



TYPICAL WIRING



ORDERING

To order select the basic model and the desired features from the Selection Guide below.

MLP 3 * * * M0 * 0 * 00 *	
MLP	
0	Without test block (optional)
1	With test block (standard)
1	I_n = 1 A
5	I_n = 5 A
1	With keyboard and RS232
2	With keyboard and 1 mm plastic fiber optic
3	With keyboard and 100/140 glass fiber optic
4	With keyboard and 50/125 glass fiber optic
0	48 VDC Vaux inputs
1	125 VDC Vaux inputs
2	220 VDC Vaux inputs
G	Vaux = 48/125 VDC
H	Vaux = 110/250 VDC
B	Revision level

MLP3000:

- three distance protection zones
- step distance protection scheme
- zone I extension protection scheme
- out of step blocking
- fuse failure detection
- line pick-up
- event register
- current/power log
- fault report
- remote communications
- automatic reclosure
- remote open pole detector
- zone II acceleration
- fault locator
- oscillographic register