

CONSTRUCTION DETAILS:

Marking - Device is marked on adhesive-backed label, designated: Listee's name, file number, or trademarks, Type number and electrical ratings.

"60/75°C, Cu wire only", or equivalent.

"Terminal Torque __ in.-lbs (see Ratings)", or equivalent.
Torque marking may be provided loose with the equipment.

"Suitable For Use On A Circuit Capable Delivering Not More Than rms Symmetrical Amperes, Volts Maximum. When Protected by Class Fuses.", or equivalent.

The following Trademarks may be used:



Alternate Trademark



File E206826
Project 99NK39678

February 28, 2000

REPORT

on

AUXILIARY DEVICES

LG Industrial Systems Co., Ltd.
Chung Cheong Bug -Do, Korea

Copyright ? 2000 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above named company to reproduce this Report provided it is reproduced in its entirety.

REM/TL:cah
DMS

DESCRIPTION

USL, CNL - Industrial Control Equipment - Auxiliary Devices.
Electronic Overload Relay models GMP followed by 15, 20,
22, 35, 40, 60T, or 80.

RATINGS:

Ambient compensated, single or three phase, adjustable Class 10, 20 and 30 electronic overload relays. Tripping currents are 120 percent of the dial settings.

Auxiliary Contacts: C600, P600, 5 A at 240 V ac resistive for GMP60T, and 3 A at 240 V ac resistive for GMP15, -20, -22, -35, -40 and -80.

Short Circuit: Devices are suitable for use on a circuit delivering not more than 600 V, 10 kA for GMP80 model and 600 V, 5 kA on GMP15, 20, -22, 35, -40 and 60T models as shown below.

<u>Overload Relay Model</u>	<u>Voltage(V ac)</u>	<u>Short Circuit Current</u>	<u>Protective Device</u>	
			<u>Fuse</u>	<u>Class</u>
GMP15	600	5 kA	30 A TD	RK5
GMP20	600	5 kA	45 A TD	RK5
GMP22	600	5 kA	45 A TD	RK5
GMP35	600	5 kA	70 A TD	RK5
GMP40	600	5 kA	70 A TD	RK5
GMP80	600	10 kA	175 A TD	RK5
GMP60T	600	5 kA	650 A TD	RK5

Devices have the following adjustable current ranges:

<u>Overload Relay Model</u>	<u>Adjustable Current Range</u>
GMP15	0.2-1, 1-5, 3-15
GMP20	0.2-1, 1-5, 4-20
GMP22	0.3-1.5, 1-5, 4.4-20
GMP35	7-35
GMP40	4-20, 8-40
GMP80	16-80
GMP60T	0.5-6, 3-30, 5-60

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVES USE):

USL Complies with UL 508

CNL Complies with CSA C22.2 No. 14-M91

General - These devices are inverse time or definite time, single or three phase, ambient compensated, adjustable Class 10, 20 or 30 electronic overload relays. Only the three current transformer models have phase loss protection. Model GMP60T does not have phase loss or phase reversal protection.

Nomenclature - Devices are classified in the following manner:

<u>GMP</u>	<u>80</u>	<u>3</u>	<u>S</u>
I	II	III	IV

I - Basic model designation: GMP

II - Maximum current range

15 - Inverse time, adjustable current ranges of 0.2-1 A, 1-5 A, and 3-15 A

20 - Inverse time, adjustable current ranges of 0.2-1 A, 1-5 A, and 4-20 A

*22 - Inverse time, adjustable current ranges of 0.3-1.5 A, 1-5 A, and 4.4-22A

35 - Inverse time, adjustable current range of 7-35 A

*40 - Inverse time, adjustable current range of 4-20 A and 8-40 A

80 - Inverse time, adjustable current range of 16-80 A

60T - Definite time, adjustable current ranges of 0.5-6 A, 3-30 A, and 5-60 A

III - Current transformer Type

2 - Two current transformers

3 - Three current transformers

IV - Connection Type

S - Screw Type

P - Pin Type

T - Tunnel Type

TE - Tunnel Type (Economic Type)

I - Inverter Type