



GLCA01A2B



Actual product appearance may vary.

**Global Limit Switches Series GLS:
Side Rotary With Roller -
Adjustable, 1NC 1NO SPDT Snap
Action, 0.5 in - 14NPT conduit**

Features

- Designed to IEC standard for world-wide applications
- UL, CSA, and CE
- International conduit sizes
- Direct PLC interface compatible (two circuit)
- Modular construction reduces maintenance parts costs
- Designed for ease of installation
- Variety of basic switch versions
- Wide choice of actuators

Potential Applications

- Machine tools: metal fabrication equipment, presses, transfer lines and special machinery
- Material handling equipment: conveyors, elevators, cranes, and hoists
- Packaging machinery and process equipment
- Textile machinery
- Construction machinery and equipment, vehicles and lift trucks

Description

The GLS series limit switches are specifically designed for world-wide applications and are supported by Honeywell global resources for sale and after sale service.

Product Specifications

Availability	Global
Operating Force (O.F.)	0,120 N m [1.10 in lb]
Pretravel (P.T.)	26°
Overtravel (O.T.)	49°
Differential Travel (D.T.)	11.5°
Product Type	EN50041/47 Global Limit Switch
Actuator	Side Rotary
Lever Style	Roller - Adjustable
Circuitry	1NC 1NO SPDT Snap Action
Ampere Rating	10 A (Thermal)
Supply Voltage	300 Vac and 250 Vdc max.
Housing Material	Zinc Die-Cast
Termination Type	0.5 in - 14NPT conduit
Housing Type	EN 50047
Series Name	GLS MIN-DIN
Shock	50 g per IEC 68-2-27c (w/o Actuator)
Vibration	10 g per IEC 68-2-6 (w/o Actuator)
Sealing	NEMA 1, 4, 12, 13 IP66
Approvals	UL, CSA, CE
CSA File #	LR94369-3
UL File #	E37138 & E157416
Mechanical Life	10 million
Operating Temperature Range	-40 °C to 85 °C [-40 °F to 185 °F]
Comment	Roller Material: Steel
Agency Approvals and Standards	IEC 947-5-1, EN60947-5-1, UL508
UNSPSC Code	302119
UNSPSC Commodity	302119 Switches and controls and relays
Sealed	Industrial
Operating Position (O.P.)	26°

MTG-GL-191

REVISIONS

ISSUE NO.

RELEASE NUMBER

A01B-191

Honeywell **LIMIT SWITCH** **GLS** **MTG-GL-191**

CHART NO. **MTG-GL-191**

FIG. 1

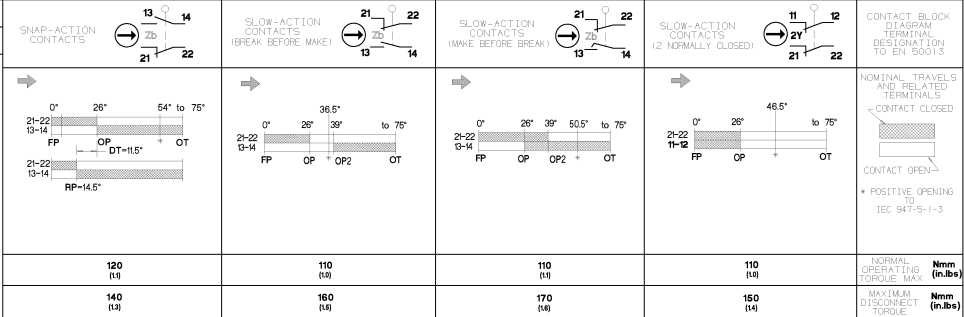
CONDUIT THREAD PG 13.5 **B**

NOTES:-

- ZINC DIECAST BODY AND HEAD WITH STEEL COVER. BODY AND COVER FINISHED IN MICRO SWITCH BLUE EPOXY PAINT. HEAD FINISHED IN BLACK EPOXY PAINT.
- MINIMUM OPERATING VELOCITY (V_{min}): 0.26 rad/s
MAXIMUM OPERATING VELOCITY (V_{max}): 25 rad/s
MAXIMUM OPERATING FREQUENCY (F_{max}): 250 OPS/MIN
- FREE POSITION (FP), OPERATING POINT (OP), OVERTRAVEL (OT) AND PRETRAVEL (PT) ALL TO EN50047.
- MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW: 0.59 Nm (4.4 in.LB)
- MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW: 0.89 Nm (7.1 in.LB)

NO CHANGES CAN BE MADE TO THIS DRAWING WITHOUT JOINT NEWHOUSE/FREEMPORT APPROVAL

STANDARD SILVER CONTACTS	GOLD PLATED CONTACTS	ELECTRICAL RATINGS	ENVIRONMENTAL	APPROVALS
AC	DC	I _{th} 10A	IP66 NEMA 1, 4, 12, 13	UL
A300 AC 15 14	O300 DC 15 14	1V 100mA MIN. ISOV 100mA MAX.	TEMP RANGE: -25°F TO 85°F +13°F TO 185°F STORAGE: -40°F TO 85°F -40°F TO 185°F	IEC 947-5-1 EN50047
120 6 240 5	125 0.58 250 0.27		SHOCK: 50G PER IEC 68-2-27 VIBRATION: 10G PER IEC 68-2-6	



NOTE:- ANY STANDARD LISTING WITH SUFFIX "RS" OR "FE" IS PERMITTED.

FIG. 2

FIG. 3

01, 03, 04, 06, 07, 33, 34, 36

BASIC SWITCH WITH SILVER CONTACTS

BASIC SWITCH WITH GOLD PLATED CONTACTS

SIDE ROTARY ACTUATOR (SEE FIG. 1)

ROLLER MATERIAL A = PLASTIC; B = METAL.

HEAD ORIENTATION & LEVER DIRECTION OF OPERATION (SEE FIG. 3)

EN50047 BODY TYPE (SEE FIG. 1)

GLC

CONDUIT THREAD (SEE FIGS. 1, 2 & 3)

1/2" NPT X 14 CONDUIT THREAD ADAPTER

PG 13.5 CONDUIT THREAD

M20 X 1.5 CONDUIT THREAD

PF 1/2 CONDUIT THREAD

MODIFICATION CODE

CABLE 5 WIRE WITH GROUND. LAST CHARACTER IS CABLE LENGTH I = 1MTR. CABLE LENGTHS ARE FROM 1 TO 9 METRES. ONLY AVAILABLE WITH CONDUIT THREAD TYPE "B".

C021

CONNECTOR .4 PIN MICRO. ONLY AVAILABLE WITH CONDUIT THREAD TYPE "B".

Q01

CONNECTOR .5 PIN MICRO TWIN KEYWAY. ONLY AVAILABLE WITH CONDUIT THREAD TYPE "B".

Q02

CONNECTOR .4 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE "B".

Q03

CONNECTOR .5 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE "B".

Q04

CONNECTOR .5 PIN MICRO. ONLY AVAILABLE WITH CONDUIT THREAD TYPE "B".

Q07

NOTE FOR CONNECTION DIAGRAMS AND ADDITIONAL ELECTRICAL, ENVIRONMENTAL & DIMENSIONAL INFORMATION SEE DRAWING GL-4822.