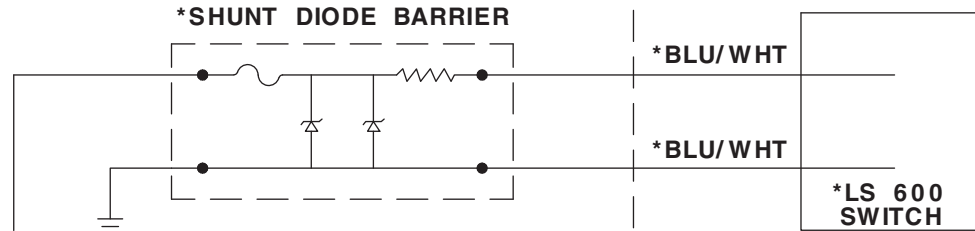


NON HAZARDOUS LOCATION

HAZARDOUS LOCATION CLASS I , GROUPS C AND D



BARRIER MUST NOT BE CONNECTED TO EQUIPMENT WHICH USES OR GENERATES MORE THAN 250 VOLTS WITH RESPECT TO EARTH GROUND.

***BARRIER AND SWITCH MAY BE DUPLICATED (MAX. 4 PER UNIT) SEE DRAWING 50104 FOR COLOR CODES.**

BARRIER NOTES:

1. OUTPUT CURRENT MUST BE LIMITED BY A RESISTOR SUCH THAT THE OUTPUT VOLTAGE VERSUS THE CURRENT PLOT IS A STRAIGHT LINE BETWEEN V_{oc} AND I_{sc} .
2. BARRIER MUST BE INSTALLED AS INSTRUCTED BY MANUFACTURER.
3. SELECTED BARRIER INTRINSICALLY SAFE CIRCUITS SHALL BE APPROVED FOR CLASS I , GROUPS C AND D HAZARDOUS LOCATIONS.
4. TERMINATE BARRIER EARTH GROUND TO THE GROUND BUS OF THE POWER DISTRIBUTION PANEL, RESISTANCE TO GROUND MUST NOT BE GREATER THAN 1 OHM.
5. ALL INTRINSICALLY SAFE WIRING SHALL BE KEPT SEPARATE FROM NON INTRINSICALLY SAFE WIRING, REFER TO ARTICLE 504 OF THE NATIONAL ELECTRICAL CODE.
6. C_a , L_a , V_{oc} AND I_{sc} PARAMETERS ARE SUPPLIED WITH BARRIERS APPROVED FOR ENTITY USE.

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		
FRACTIONS	DECIMALS	ANGLES
$\frac{1}{16}$.XX ± .01	± 9°-30'
	.XXX ± .005	
MATERIAL	SEE NOTES	
FINISH	SEE NOTES	

APPROVALS	DATE
DRAWN R. KHARE	110896
CHECKED	
ISSUED	

PNEUMERCATOR COMPANY			
INTRINSICALLY SAFE LOOP LS 600 SERIES			
SIZE	CAGE CODE	DWG. NO.	REV.
B	47876	50187	B
SCALE 1/1			SHEET 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	I_{max} 100mA WAS 330mA	012197	
B	CHANGED CABLE LENGTH FORMULA AND EXAMPLE TO MAX. CABLE LENGTH NOT TO EXCEED: 15,500 FEET.	022597	

LISTED LS600 MODELS

- LS 60X
- LS 60AX-XXX
- LS 600AX
- LS 600-NCL
- LS 600-O/W

SENSOR ENTITY PARAMETERS

TERMINALS	V_{max}	I_{max}	C_i	L_i
BLU/WHT - BLU/WHT	24V	100mA	0	0

SELECTED BARRIER TO COMPLY WITH THE FOLLOWING:

$V_{max} \geq V_{oc}$

$I_{max} \geq I_{sc}$

Maximum cable length not to exceed: 15,500 feet.