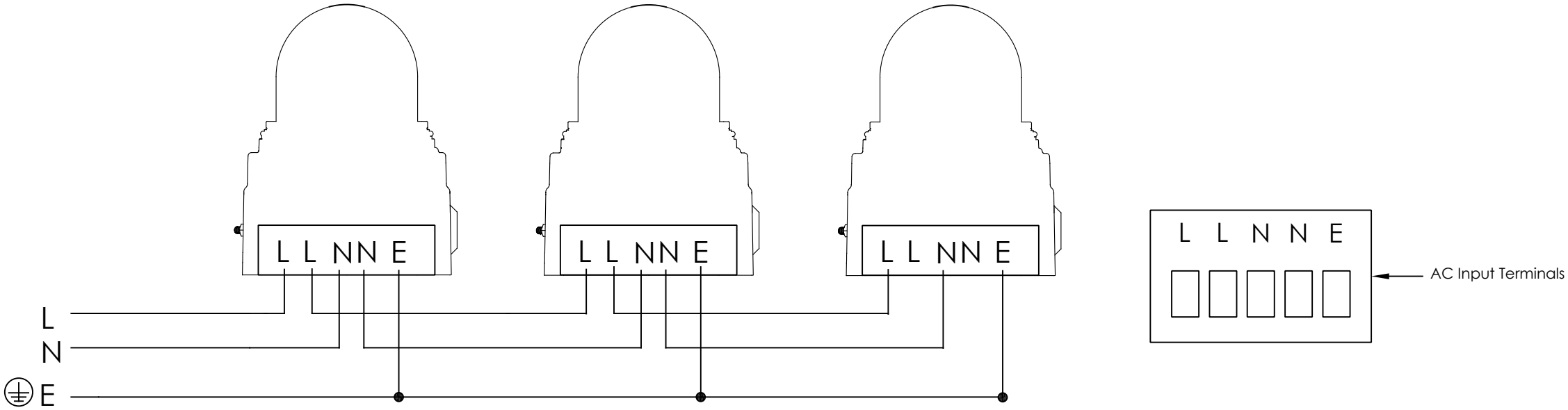


GNxB2X10 / GNxB2X15 AC BLOCK DIAGRAM



ISSUE	MOD No.	REASON - INITIAL - DATE
B		RE-DRAWN IN 2D NOTES, TERMINALS & EOL RESISTOR ADDED DAH 17/12/19

NOTES - ENTRIES

Cable Glands have an M20 x 1.5 entry thread. Only use suitably rated and ATEX / IECEx certified cables suitable for the cable being used.

When only one cable entry is used, all other entries must be closed using suitably rated and ATEX / IECEx certified blanking plugs.

If high Ingress Protection (IP) rating is required, a suitable sealing washer must be fitted under the cable glands or blanking plugs.

Minimum Ingress rating of IP6X must be maintained for installations in explosive dust atmospheres.

For combustible dust applications, the cable entry device and blanking elements shall be in type of explosion protection and shall have an IP6X rating.

CABLE CONNECTIONS

Electrical connections are to be made into the PCBA terminal blocks.

Maximum wire cross sectional area: 2.5mm²

If two wires fitted into one terminal, the sum of the cross sectional area of these wires must not exceed 2.5mm²

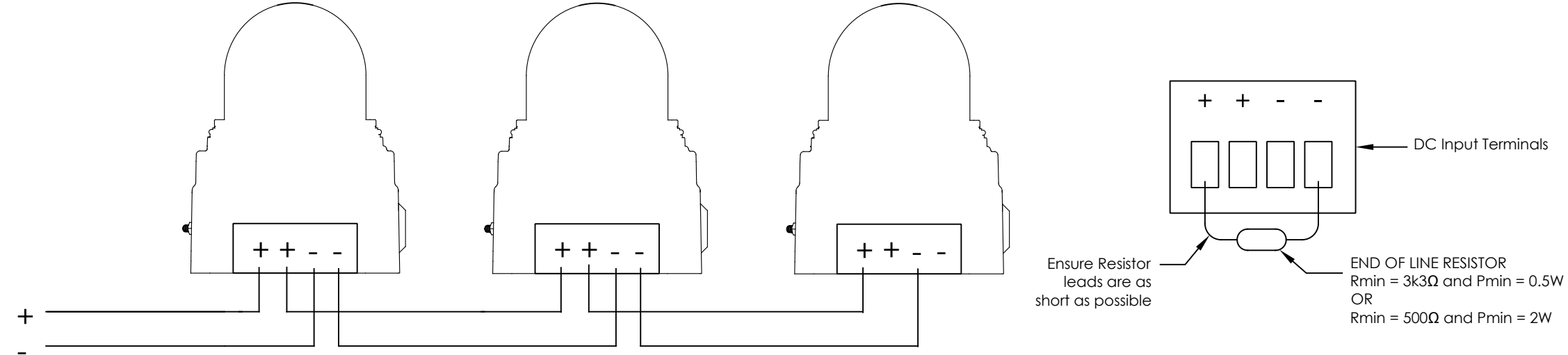
EARTHING

Internal Earthing on AC units should be made to the internal earth terminal on the PCBA. Earth conductors must be at least equal in size & rating to the incoming power conductors.

External earth connections should be made to the M5 earth stud using a ring crimp terminal.

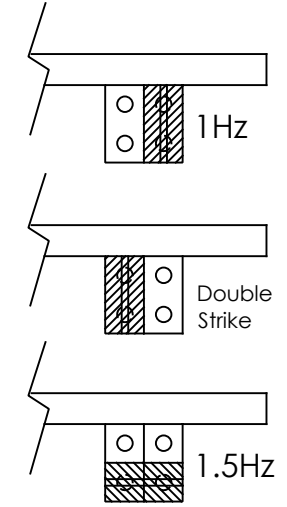
Minimum external earth conductor size: 4mm²

GNExB2X10 / GNExB2X15 DC BLOCK DIAGRAM



Ensure Resistor leads are as short as possible

END OF LINE RESISTOR
R_{min} = 3k3Ω and P_{min} = 0.5W
OR
R_{min} = 500Ω and P_{min} = 2W



FLASH PATTERNS

The AC and DC Beacons can produce three flash patterns.

The flash patterns are selected internally by the selection of pin headers (shown hatched) on the PCBA

DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN	DATE	SURFACE FINISH	WEIGHT (Kg)
	D.HOWGILL	17/12/19		
	CHECKED	DATE	MATERIAL	
STANDARDS GNExB2	R.N.POTTS	17/12/19		
	APPROVED	DATE	ALTERNATIVE MATERIAL	
	R.N.POTTS	17/12/19		

DRAWN	DATE	SURFACE FINISH	WEIGHT (Kg)
D.HOWGILL	17/12/19		
CHECKED	DATE	MATERIAL	
R.N.POTTS	17/12/19		
APPROVED	DATE	ALTERNATIVE MATERIAL	
R.N.POTTS	17/12/19		

SURFACE FINISH	WEIGHT (Kg)
MATERIAL	
ALTERNATIVE MATERIAL	

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ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE		
TITLE GNExB2 X05/X10 BEACON WIRING DIAGRAMS		
SCALE NTS	SHEET 1 OF 1	DRAWING NUMBER D156-06-201

A3

D156-06-201