

| | | | | | | | | | | | |
|--|--|--|-------|---|--|---|-------|--|--|--|-------|
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | |
| DB3B DC SINGLE STAGE VARIATION | | | | DB3B DC DUAL STAGE REVERSE POLARITY VARIATION | | | | DB3B DC DUAL STAGE COMMON POSITIVE VARIATION | | DO NOT SCALE | |
| | | | | | | | | | | | |
| STAGE 1 +VE IN | | Ex d | Ex de | STAGE 1 +VE IN/STAGE 2 -VE IN | | Ex d | Ex de | COMMON +VE IN | | Ex d | Ex de |
| STAGE 1 -VE IN | | 1 | 1 | STAGE 1 -VE IN/STAGE 2 +VE IN | | 1 | 1 | STAGE 1 -VE IN | | 1 | 1 |
| NOT USED | | 2 | 2 | NOT USED | | 2 | 2 | NOT USED | | 2 | 2 |
| NOT USED | | 3 | 3 | NOT USED | | 3 | 3 | STAGE 2 -VE IN | | 3 | 3 |
| STAGE 1 +VE OUT | | 4 | 4 | STAGE 1 +VE OUT/STAGE 2 -VE OUT | | 4 | 4 | COMMON +VE OUT | | 4 | 4 |
| STAGE 1 -VE OUT | | 5 | 1 | STAGE 1 -VE OUT/STAGE 2 +VE OUT | | 5 | 1 | STAGE 1 -VE OUT | | 5 | 1 |
| NOT USED | | 6 | 2 | NOT USED | | 6 | 2 | NOT USED | | 6 | 2 |
| NOT USED | | 7 | 3 | NOT USED | | 7 | 3 | STAGE 2 -VE OUT | | 7 | 3 |
| NOT USED | | 8 | 4 | NOT USED | | 8 | 4 | STAGE 2 -VE OUT | | 8 | 4 |
| | | | | | | | | | | | |
| DB3B DC DUAL STAGE COMMON NEGATIVE VARIATION | | | | DB3B DC TRIPLE STAGE COMMON POSITIVE VARIATION | | | | DB3B DC TRIPLE STAGE COMMON NEGATIVE VARIATION | | | |
| | | | | | | | | | | | |
| STAGE 1 +VE IN | | Ex d | Ex de | COMMON +VE IN | | Ex d | Ex de | STAGE 2 +VE IN | | Ex d | Ex de |
| COMMON -VE IN | | 1 | 1 | STAGE 1 -VE IN | | 1 | 1 | STAGE 3 +VE IN | | 1 | 1 |
| NOT USED | | 2 | 2 | STAGE 3 -VE IN | | 2 | 2 | STAGE 1 +VE IN | | 2 | 2 |
| STAGE 2 +VE IN | | 3 | 3 | STAGE 2 -VE IN | | 3 | 3 | COMMON -VE IN | | 3 | 3 |
| STAGE 1 +VE OUT | | 4 | 4 | COMMON +VE OUT | | 4 | 4 | STAGE 2 +VE OUT | | 4 | 4 |
| COMMON -VE OUT | | 5 | 1 | STAGE 1 -VE OUT | | 5 | 1 | STAGE 3 +VE OUT | | 5 | 1 |
| NOT USED | | 6 | 2 | STAGE 3 -VE OUT | | 6 | 2 | STAGE 1 +VE OUT | | 6 | 2 |
| STAGE 2 +VE OUT | | 7 | 3 | STAGE 2 -VE OUT | | 7 | 3 | COMMON -VE OUT | | 7 | 3 |
| | | 8 | 4 | | | 8 | 4 | | | 8 | 4 |
| | | | | | | | | | | | |
| GENERAL NOTE: 1/ THE EXD UNIT REQUIRES THAT THE GLAND BODY PROVIDES UNIT EARTHING. THE STUD PROVIDED ON THE ESA IS FOR LOOP-IN LOOP-OUT PURPOSES ONLY 2/ THE STUD PROVIDED ON THE EXE CHAMBER MAY BE USED TO PROVIDE UNIT EARTHING IF THE GLAND BODY IS NOT USED | | | | | | | | | | | |
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| DESIGNERS & MANUFACTURERS OF ELECTRICAL & ELECTRONIC EQUIPMENT & SYSTEMS FOR HAZARDOUS AREAS | | | | | | | | | | | |
| ISSUES | | GENERAL TOLERANCES UOS LINEAR: ±0.25 ANGULAR: ±0.5° SURFACE FINISH: 3.2 | | ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED REMOVE ALL BURRS AND SHARP CORNERS MACHINE SYMBOLS THUS | | THIS DRAWING IS CONFIDENTIAL AND IS THE PROPERTY OF MEDC AND MUST NOT BE REPRODUCED EITHER WHOLLY OR PARTLY. ALL RIGHTS IN RESPECT OF PATENTS, DESIGNS AND COPYRIGHT ARE RESERVED | | DRAWN BY: P.FISHWICK CHECKED BY: D.COATES APPROVED BY: P.FISHWICK SCALE:1:1 | | DATE: 14/02/2014 DATE: 18/02/2014 DATE: 18/02/2014 A4 | |
| | | | | | | | | TITLE: DB3B SOUNDER CUSTOMER WIRING DETAILS | | SHT 1 OF 3 | |
| | | | | | | | | DWG NO. 419-185 | | REVISION A | |
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | |



