

|              |                           |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| MDF325       |                           |  |  |  |  |  |  |  |  |  |  |  |  |
| AKA          | n/a                       |  |  |  |  |  |  |  |  |  |  |  |  |
| ALTITUDE     | 2000m                     |  |  |  |  |  |  |  |  |  |  |  |  |
| CURRENT      | 25A 40°C                  |  |  |  |  |  |  |  |  |  |  |  |  |
| CLASS        | Class I                   |  |  |  |  |  |  |  |  |  |  |  |  |
| DEVICE       | rfi filter                |  |  |  |  |  |  |  |  |  |  |  |  |
| EARTHING     | M6x13 stud 4Nm            |  |  |  |  |  |  |  |  |  |  |  |  |
| ENCLOSURE    | aluminium 1.5mm           |  |  |  |  |  |  |  |  |  |  |  |  |
| ENVIRONMENT  | -25/+85/21                |  |  |  |  |  |  |  |  |  |  |  |  |
| FLAMMABILITY | UL94 V-2 min              |  |  |  |  |  |  |  |  |  |  |  |  |
| GND BOND     | 25A 50/60Hz               |  |  |  |  |  |  |  |  |  |  |  |  |
| HUMIDITY     | 93% RH non-condensing     |  |  |  |  |  |  |  |  |  |  |  |  |
| INSULATION   | 500Vdc ≥3.5MR             |  |  |  |  |  |  |  |  |  |  |  |  |
| IP RATING    | IP00                      |  |  |  |  |  |  |  |  |  |  |  |  |
| LOSS         | 3.6W/ph                   |  |  |  |  |  |  |  |  |  |  |  |  |
| LEAKAGE      | 2.0mA operating           |  |  |  |  |  |  |  |  |  |  |  |  |
| MASS         | 2.7kg                     |  |  |  |  |  |  |  |  |  |  |  |  |
| MATERIAL     | Group IIIa                |  |  |  |  |  |  |  |  |  |  |  |  |
| MOUNTING     | M5 2Nm                    |  |  |  |  |  |  |  |  |  |  |  |  |
| MTBF         | 22yrs (MIL-HDBK-217F)     |  |  |  |  |  |  |  |  |  |  |  |  |
| OVERLOAD     | 150% 60s                  |  |  |  |  |  |  |  |  |  |  |  |  |
| OVERVOLTAGE  | Category II               |  |  |  |  |  |  |  |  |  |  |  |  |
| PACKAGING    | ASTM D7386                |  |  |  |  |  |  |  |  |  |  |  |  |
| PCB          | FR4 ZPMV2 105°C           |  |  |  |  |  |  |  |  |  |  |  |  |
| POLLUTION    | Degree II                 |  |  |  |  |  |  |  |  |  |  |  |  |
| POTTING      | resin                     |  |  |  |  |  |  |  |  |  |  |  |  |
| POWER        | 20.8kW (6kW)              |  |  |  |  |  |  |  |  |  |  |  |  |
| RESIDUAL     | 39V 5s                    |  |  |  |  |  |  |  |  |  |  |  |  |
| RESISTANCE   | 5.7mR/ph                  |  |  |  |  |  |  |  |  |  |  |  |  |
| SCCR         | 5kA                       |  |  |  |  |  |  |  |  |  |  |  |  |
| SHOCK        | 15g 11mS                  |  |  |  |  |  |  |  |  |  |  |  |  |
| SPACING      | ≥50mm ventilated surfaces |  |  |  |  |  |  |  |  |  |  |  |  |
| STYLE        | stud filter               |  |  |  |  |  |  |  |  |  |  |  |  |
| SUPPLY       | 3P 50/60Hz                |  |  |  |  |  |  |  |  |  |  |  |  |
| TERMINAL     | stud M6 4Nm               |  |  |  |  |  |  |  |  |  |  |  |  |
| VARIABLE     | n/a                       |  |  |  |  |  |  |  |  |  |  |  |  |
| VIBRATION    | 5-55Hz 350um 55-500Hz 2G  |  |  |  |  |  |  |  |  |  |  |  |  |
| VOLTAGE      | 400/480V (520V max)       |  |  |  |  |  |  |  |  |  |  |  |  |
| WITHSTAND    | 2900Vdc 60s               |  |  |  |  |  |  |  |  |  |  |  |  |
| EU/UK        | CE/UKCA                   |  |  |  |  |  |  |  |  |  |  |  |  |
| US           | uR                        |  |  |  |  |  |  |  |  |  |  |  |  |
| CAN          | cUR                       |  |  |  |  |  |  |  |  |  |  |  |  |
| OTHER        |                           |  |  |  |  |  |  |  |  |  |  |  |  |

Fixing for surge arrester (VSU3W)

|                                                                                                                                                                                        |  |                             |  |                                                                                                                                                                                                                       |  |                                                                                                                                                                |  |                        |  |                         |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|-------------------------|--|
| <b>DELTRON</b> Components                                                                                                                                                              |  | <b>DEM</b>                  |  | <b>PROPRIETARY AND CONFIDENTIAL:</b>                                                                                                                                                                                  |  | <b>IF IN DOUBT ASK! DO NOT SCALE DRAWING!</b>                                                                                                                  |  | AUTHOR                 |  | TITLE                   |  |
| <b>DELTRON</b> Enclosures                                                                                                                                                              |  | <b>Alpha3</b> manufacturing |  | THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <b>ALPHA 3 MANUFACTURING</b> . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <b>ALPHA 3 MANUFACTURING</b> IS PROHIBITED. |  | FINISH -                                                                                                                                                       |  | EDITOR DB              |  | FILE MDF325             |  |
| <b>ROXBURGH</b> EMC                                                                                                                                                                    |  |                             |  | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES LINEAR & RADIAL TOLERANCE: <b>NO DECIMAL PLACES ±0.5mm</b> <b>1 DECIMAL PLACE ±0.25mm</b> <b>2 DECIMAL PLACES ±0.125mm</b> <b>ANGULAR TOLERANCE: ±1°</b>     |  | MATERIAL -                                                                                                                                                     |  | APPROVER DB            |  | PART MDF325             |  |
| DEM Manufacturing is a division of Alpha 3 Manufacturing LTD DEM Manufacturing, Deltron Emcon House, Hargreaves Way, Sawcliffe Ind. Park, Scunthorpe, North Lincolnshire, DN15 8RF, UK |  |                             |  |                                                                                                                                                                                                                       |  | THE FINISHED PRODUCT SHOULD BE CLEAN AND FREE FROM ALL LIQUIDS AND DEBRIS. SURFACES SHOULD BE OF UNIFORM APPEARANCE FREE FROM SHARP EDGES, BURRS AND CORROSION |  | THIRD ANGLE PROJECTION |  | SHEET 1 OF 2            |  |
| +44(0)1724 273200                                                                                                                                                                      |  |                             |  | www.dem-uk.com                                                                                                                                                                                                        |  |                                                                                                                                                                |  | SCALE 1:5              |  | A4                      |  |
|                                                                                                                                                                                        |  |                             |  |                                                                                                                                                                                                                       |  |                                                                                                                                                                |  |                        |  | ISSUE/REV. 006          |  |
|                                                                                                                                                                                        |  |                             |  |                                                                                                                                                                                                                       |  |                                                                                                                                                                |  |                        |  | EDIT DATE 27/06/2023    |  |
|                                                                                                                                                                                        |  |                             |  |                                                                                                                                                                                                                       |  |                                                                                                                                                                |  |                        |  | RELEASED                |  |
|                                                                                                                                                                                        |  |                             |  |                                                                                                                                                                                                                       |  |                                                                                                                                                                |  |                        |  | RELEASE DATE 27/06/2023 |  |

