



TESTING FACILITY

CERTIFICATE

of Verification Tests

REPORT DATED: 28th February 2017

CERTIFICATE NUMBER:

45673/1

DESIGNATION:

Betrak system

DATE(S) OF TESTS:

26th February – 23rd August 2016

APPARATUS:

A range of, rated current 63A, rated voltage 240V/415V, rated impulse withstand voltage 4kV, 50Hz, underfloor powertrack systems and associated tap-off units.

MANUFACTURER:

CMD Limited, Sycamore Road, Eastwood Trading Estate, Rotherham, S65 1EN

TESTED BY:

KA Testing Facility	Prof. Ir. Damstra Laboratory	Exova (UK) Limited	Exova Warringtonfire	Exova (UK) Limited
John Street	P.O Box 23, 7550 AA	6 Coronet Way	Holmesfield Road	Key Industrial Estate
New Basford	Hengelo	Centenary Park	Warrington	Fernside Road
Nottingham	Europalaan 202	Salford	WA1 2DS	Willenhall
NG7 7HL	7559 SC Hengelo	M50 1RE	UK	West Midlands
UK	The Netherlands	UK		WV13 3YA
				UK

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with:

IEC 61534-22 Edition 2.0, 2014-06 & BS EN 61534-22: 2014

Verifications with reference to the tests listed in Sub-Clause 5.3 of IEC 61534-1: Edition 2.0 2011-05

- | | |
|--|---|
| 1: Marking and Documentation | 9: Normal operation |
| 2: Construction | 10: Temperature rise |
| 3: Clearances, creepage distances and solid insulation | 11: Short-circuit protection and short-circuit withstand strength |
| 4: Protection against electric shock | 10: Temperature-Rise Limits |
| 5: Terminals and Terminations | 12: Resistance to heat |
| 6: Screws, current carrying parts and connections | 13: Fire hazard |
| 7: Mechanical strength | 14: External influences |
| 8: Insulation resistance test and dielectric strength test | |

Refer to pages 1, 2, 3 and 4 for ratings.

The results are shown in the record of proving tests attached hereto. The values obtained and the general performance is considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s). This certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the manufacturer.

This certificate comprises this front sheet, 4 ratings pages plus 206 other pages as detailed on page 5.

Only integral reproductions of this whole certificate or reproductions of this page accompanied by any ratings pages are permitted.

Stephen Boyes
Laboratory Business Manager

Nick Halaburda
Principal Test Engineer

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