EU Declaration of Conformity

Preparation Date: 6 July 2026

This declaration of conformity is issued under the sole responsibility of the manufacturer:

Broyce Control Ltd
Pool Street, Wolverhampton, West Midlands, England WV2 4HN

Object of declaration:

Insulation Monitoring Device: **Type IMD100**

The object of this declaration is in conformity with the following directives and standards:

Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU
RoHS Directive	2011/65/EU including amendment of 2015 (2015/863/EU)
IEC 61557-8:2014 / BS EN 61557-8:2015 (*refer to next page for applied tests)*	Electrical safety in low voltage distribution systems up to 1000V AC and 1500V DC — Equipment for testing, measuring or monitoring of protective measures.
IEC 61851-1:2017 / BS EN 61851-1:2019	Electric vehicle conductive charging system (General requirements)
IEC 61851-23:2023	DC electric vehicle supply equipment
IEC 61326-2-4:2020 / BS EN 61326-2-4:2021 (*refer to next page for applied tests)*	EMC requirements — Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC/BS EN 61557-8

Signed by and on behalf of **Broyce Control Ltd**

Signature:
(David Gough)



Position: General Manager

Date: 6 July 2026

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Citation ISO Certification
Quality management ISO 9001: 2015
REGISTERED
Certificate No:156532009

Supplementary data regarding Type testing

Applied tests

Type tests according to BS EN/IEC 61557-8

Type Test	Test Description
6.2.2	Accuracy of response value R_{an}
6.2.3	Response time tan under reference conditions
6.2.3	Response time tan with maximum value of C_e
6.2.4	Peak value of measuring voltage U_m
6.2.5	Peak value of measuring current I_m
6.2.6.3	Internal resistance R_i
6.2.9	Permanently permissible nominal voltage U_n
6.2.11	Range of supply voltage U_s
6.2.12.1	Remote enable/disable command (REDC)
6.2.13	Voltage tests according to IEC 61010-1
6.2.16.2	Ingress protection (IP) requirements

EMC requirements according to IEC 61326-2-4

Immunity

Generic Standard	Test level
Electrostatic discharge [IEC 61000-4-2]	±4kV contact discharge ±8kV air discharge
Radiated RFI [IEC 61000-4-3]	10V/m, 80MHz to 1GHz 3V/m, 1GHz to 1.4GHz 3V/m, 1.4GHz to 6GHz
Fast transient/burst [IEC 61000-4-4]	HV DC input: ±2kV, 5kHz or 100kHz I/O signal/control: ±1kV, 5kHz or 100kHz
Voltage surge 1.2/50us [IEC 61000-4-5]	HV DC input: ±2kV line-to-ground ±1kV line-to-line I/O signal/control: ±1kV line-to-ground
Conducted RFI [IEC 61000-4-6]	10V, 150kHz to 80MHz
Power frequency magnetic field [IEC 61000-4-8]	30A/m

Emissions

Generic Standard	Test level
Radiated emissions [CISPR11/EN 55011]	150kHz - 1GHz (Group 1, Class A)
Conducted emissions [CISPR11/EN 55011]	150kHz – 30MHz (Group 1, Class A)

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