ENVIRONMENTAL TESTING STANDARDS

Quality is at the heart of everything we do – embedded in both our people and our products. We are fully certified to ISO 9001, ISO 14001, and ISO 45001 standards, and our products carry a wide range of international approvals, including UL, ETL, VDE, and E-MARK. All products also meet CE marking requirements. We recognise how vital quality is to our customers and aim to give them complete confidence that, by integrating our products into their solutions, they are reinforcing their own commitment to excellence and long-term reliability.

DSE products are tested against a wide range of environmental standards, as outlined below. For the specific standards applicable to each product, please refer to the relevant product datasheet.



ELECTRO-MAGNETIC COMPATIBILITY

BS EN 61000-6-2 EMC Generic Immunity Standard for the Industrial Environment BS EN 61000-6-4 EMC Generic Emission Standard for the Industrial Environment UN/ECE Reg.10 EMC Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility



ELECTRICAL SAFETY

 BS EN 61010
 Electrical Safety

 Safety requirements for electrical equipment for

 measurement, control and laboratory use

 ISO 16750-2
 Starting Profile

 Road Vehicles – Environmental Conditions and testing for

 Electrical & Electronic Equipment Part 2: Electrical Loads

 ISO 16750-2
 Load Dump

 Road Vehicles – Environmental Conditions and testing for

Electrical & Electronic Equipment Part 2: Electrical Loads



UV EXPOSURE

BS EN 60068-2-5 Sb1 & Sb2 Simulated solar radiation at ground level and guidance for solar radiation testing and weathering.



SALT SPRAY

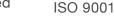
BS EN 60068-2-52 Kb Salt Mist Cyclic





LISTED









ISO 45001

nqa

ISO 45001

HEALTH & SAFET









NEMA X



VIBRATION

DSE

 BS EN 60068-2-6
 Sinusoidal Sweeps

 BS EN 60068-2-24
 Mechanical Shock

 BS EN 60068-2-64
 Random vibration

 ISO 16750-3
 Bumps

 Road vehicles - Ervironmental conditions and testing for electrical and electronic equipment

 Part 3: Mechanical VIII Random vibration

 Road vehicles - Ervironmental conditions and testing for electrical and electronic equipment

 Part 3: Mechanical vehicles - Ervironmental conditions and testing for electrical and electronic equipment

stop



HUMIDITY

BS EN 60068-2-30 Db Damp Heat Cyclic BS EN 60068-2-78 Cab Damp Heat Static

TEMPERATURE BS EN 60068-2-1 Ab/Ae

BS EN 60068-2-1 Ab/Ae Cold Test BS EN 60068-2-2 Bb/Be Dry Heat

INGRESS PROTECTION

IEC 60529 — Degrees of protection provided by enclosures

CHEMICAL

IPXX

ISO 1675-5 — Chemical Testing for Electrical and Electronic Equipment - Road Vehicles

