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MECT devices reference standard norms

Our devices are tested to be compliant to the following norms.
All Mect devices are CE marked in according to:

2014/30/EU EMC Directive
2014/35/EU LVD
2011/65/EU RoHS

2004/108/CE

Standard Norms for all Mect devices:

1. **IEC 61326-1:2013** *Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements*
2. **IEC 60529: 2001-02**, *Degrees of protection provided by enclosures (IP Code)*
3. **IEC 60664-1 :2007**, *Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests*
4. **IEC 60664-3: 2003**, *Insulation coordination for equipment within low-voltage systems - Part 3: Use of coatings to achieve insulation coordination of printed board assemblies*
5. **IEC 60695-2-10: 2013** , *Fire hazard testing - Part 2: Test methods - Section 1: Glow-wire test and methods*
6. **IEC 60947-5-1 :2003**, *Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices*
7. **IEC 60947-7-1 :2002**, *Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment Terminal blocks for copper conductors*
8. **IEC 60950-1 :2005**, *Information technology equipment-Safety - Part 1: General requirements SOSTITUITA DA EN 62368-1:2014*
9. **IEC 61 000-4-2: 2008**, *Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test*
10. **IEC 61 000-4-3:2006**, *Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated radio-frequency electromagnetic field immunity test*
11. **IEC 61 000-4-4: 2012**, *Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 4: Electrical fast transient burst immunity test*

12. IEC 61 000-4-5: 2014, *Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test*
13. IEC 61 000-4-6: 2013, *Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances induced by radio-frequency fields*
14. IEC 61 000-4-8: 2009, *Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test*
15. IEC 61 000-4-1 2: 1995, *Electromagnetic compatibility (EMC) - Part 4-12: Testing and measurement techniques - Oscillatory waves immunity test*
16. EN 61000-6-4:2007 *Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments*
17. EN 61000-6-3:2007 *Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments*
18. IEC 61010-1 :2010, *Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements*
19. EN 61000-6-1:2007 *Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments*
20. EN 61000-6-2:2007 *Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments*

PLC (TPAC, TPLC families) reference norms:

- EN 61131-2:2007 programmable controllers** — part 2
21. EN 61131-6 2012-10 (2009-07) 3 edition *Programmable Controllers Part 6: Functional safety*

Mechanical and thermal reference norms for Mect devices:

22. IEC 60068-2-1 :2007, (1990-04) *Environmental testing - Part 2: Tests - Tests A: Cold*
23. IEC 60068-2-2:2007, *Environmental testing - Part 2: Tests - Tests B: Dry heat*
24. IEC 60068-2-6: 2007, *Environmental testing - Part 2: Tests - Test Fc: Vibration (sinusoidal)*
25. IEC 60068-2-14:2009, *Environmental testing - Part 2: Tests - Test N: Change of temperature*
26. IEC 60068-2-27:2008, *Environmental testing - Part 2: Tests - Test Ea and guidance: Shock*
27. IEC 60068-2-30:2005, *Environmental testing - Part 2: Tests - Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle)*
28. IEC 60068-2-31:2008, *Environmental testing - Part 2: Tests - Test Ec: Drop and topple, primarily for equipment-type specimens*