

ANNEX-2

Scope: To prepare standards for switchgear and controlgear such as circuit breakers, switches, contactors, starters, disconnectors, bus bars, fuse combination units and semiconductors connectors and any switchgear assemblies for voltages upto and including 1 000 V ac or 1 500 V dc

Liaison:

- IEC TC 23 / SC 23E - Circuit-breakers and similar equipment for household use - Participating (P)
- IEC TC 121 - Switchgear and controlgear and their assemblies for low voltage - Participating (P)
- IEC TC 121 / SC 121A - Low-voltage switchgear and controlgear - Participating (P)
- IEC TC 121 / SC 121B - Low-voltage switchgear and controlgear assemblies - Participating (P)

Published Standards

| Sr No. | IS No. | TITLE |
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| 1. | IS 10027: 2018 | Composite units of air - Break switches and rewirable type fuses for voltages not exceeding 650 v a.c. - Specification (<i>Second Revision</i>) |
| 2. | IS 12021: 2015 | Control transformers for switchgear and controlgear for voltages not exceeding 1000 v a.c. - Specification (<i>First Revision</i>) |
| 3. | IS 12640 (Part 1): 2016 IEC 61008-1: 2012 | Residual current operated circuitBreakers without integral overcurrent protection for household and similar uses (Rccbs): Part 1 general rules (<i>Second Revision</i>) |
| 4. | IS 12640 (Part 2): 2016 IEC 61009-1: 2012 | Residual current operated circuit - Breakers with integral overcurrent protection for household and similar uses (Rcbos): Part 2 general rules |
| 5. | IS 12640 (Part 3): 2018 IEC 61008-2-1: 1990 | Residual Current Operated Circuit - Breakers Without Integral Overcurrent Protection for Household and Similar Uses (RCCB's) Part 3 Applicability of the General Rule to RCCB 's Functionally Independent of Line Voltage |
| 6. | IS 12640 (Part 4): 2018 IEC 61008-2-2: 1990 | Residual Current Operated Circuit Breakers Without Integral Overcurrent Protection for Household and Similar Uses (RCCB's) Part 4 Applicability of the General Rules to RCCB's Functionally Dependent on Line Voltage |
| 7. | IS 13032: 1991 | Ac miniature circuit - Breaker boards for voltages not exceeding 1000 v - Specification |
| 8. | IS 13947 (Part 5/Sec 2): 2004 IEC 60947-5-2(1 999) | Low - Voltage switchgear and controlgear - Specification: Part 5 control circuit devices and switching elements: Sec 2 proximity switches |

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| 9. | IS 14577: 2022 IEC 61363-1:1998 | Electrical installations of Ships and Mobile and Fixed off shore Units Part 1 Procedures for Calculating Short Circuit Currents in Three-Phase a.c. (<i>First Revision</i>) |
| 10. | IS 14614: 2023 IEC 61543: 2022 | Residual current-operated protective devices RCDs for household and similar use Electromagnetic compatibility (<i>First Revision</i>) |
| 11. | IS 16463 (Part 11): 2016 IEC 61643-11: 2011 | Low - Voltage surge protective devices: Part 11 surge protective devices connected to low - Voltage power systems - Requirements and test methods |
| 12. | IS 16463 (Part 12): 2017 IEC 61643-12: 2008 | Low - Voltage surge protective devices: Part 12 surge protective devices connected to low - Voltage power distribution systems - Selection and application principles |
| 13. | IS 17040: 2018 IEC 62335: 2008 | Circuit Breakers • Switched Protective Earth Portable Residual Current Devices for Class I and Battery Powered Vehicle Applications |
| 14. | IS 17119: 2019 IEC 62640: 2015 | Residual current devices with or without overcurrent protection for socket - Outlets for household and similar uses |
| 15. | IS 17120: 2019 IEC 62752: 2016 | In - Cable control and protection device for mode 2 charging of electric road vehicles (Ic - Cpd) |
| 16. | IS 17121: 2019 IEC 62606: 2017 | General requirements for arc fault detection devices |
| 17. | IS 17122: 2019 IEC 62019: 2003 | Electrical accessories - Circuit - Breakers and similar equipment for household use - Auxiliary contact units |
| 18. | IS 5039: 1983 | Specification for distribution pillars for voltages not exceeding 1000 V AC and 1200 V DC (<i>First Revision</i>) |
| 19. | IS/IEC 60715: 2017 NULL IEC 60715 : 2017 | Dimensions of low - Voltage switchgear and controlgear - Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories (<i>First Revision</i>) |
| 20. | IS/IEC 60898-1: 2015 IEC 60898-1: 2015 | Electrical accessories - Circuit - Breakers for overcurrent protection for household and similar installations: Part 1 circuit - Breakers for a.c. operation (<i>First Revision</i>) |
| 21. | IS/IEC 60898-2: 2016 IEC 60898-2: 2016 | Electrical accessories Circuit-breakers for overcurrent protection for household and similar installations Part 2: Circuit-breakers for AC and DC operation |
| 22. | IS/IEC 60898-3: 2019 IEC 60898-3:2019+AMD1:2022 CSV | Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 3: Circuit-breakers for DC operation |
| 23. | IS/IEC 60947-1: 2020 IEC 60947-1:2020 | Low-Voltage Switchgear And Controlgear Part 1 General Rules |
| 24. | IS/IEC 60947-2: 2016 IEC 60947-2: 2016 | Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (<i>First Revision</i>) |
| 25. | IS/IEC 60947-3: 2020 IEC 60947-3: 2020 | Low-Voltage Switchgear and Controlgear: Part 3 Switches Disconnectors Switch-Disconnectors and Fuse-Combination Units |
| 26. | IS/IEC 60947-3: 2012 | Low - Voltage switchgear and controlgear: Part 3 switches, |

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| | IEC 60947-3: 2012 | disconnectors, switch disconnectors and fuse - Combination units (<i>First Revision</i>) |
| 27. | IS/IEC 60947-4-1: 2018 IEC 60947-4-1: 2018 | Low-Voltage switchgear and controlgear : Part 4-1 Contactors and motor starters electromechanical contactors and motor-Starters |
| 28. | IS/IEC 60947-4-1: 2012 IEC 60947-4-1: 2012 | Low - Voltage switchgear and controlgear: Part 4 contactors and motor - Starters: Sec 1 electromechanical contactors and motor - Starters (<i>First Revision</i>) |
| 29. | IS/IEC 60947-4-2): 2020 IEC 60947-4-2: 2020 | Low-Voltage switchgear and Controlgear: Part 4-2 Contactors and Motorstarters semiconductor motor controllers starters and Soft starters |
| 30. | IS/IEC 60947-4-3): 2020 IEC 60947-4-3: 2020 | Low-Voltage Switchgear And Controlgear: Part 4-3 Contactors And Motor-Starters Semiconductor Controllers And Semiconductor Contactors For Non-Motor Loads |
| 31. | IS/IEC 60947-5-5: 2016 IEC 60947-5-5: 2016 | Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 5 electrical emergency stop devices with mechanical latching function |
| 32. | IS/IEC 60947-5-1): 2016 IEC 60947-5-1: 2016 | Low-Voltage Switchgear And Control Gear : Part 5-1 Control Circuit Devices And Switching Elements Electromechanical Control Circuit Devices |
| 33. | IS/IEC 60947-5-1: 2009 IEC 60947-5-1: 2016 | Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 1 electromechanical control circuit devices (<i>First Revision</i>) |
| 34. | IS/IEC 60947-5-2): 2019 IEC 60947-5-2: 2019 | LLow-Voltage Switchgear and Controlgear Part 5 Control Circuit Devices and Switching Elements Section 2 Proximity Switches (<i>First Revision</i>) |
| 35. | IS/IEC 60947-6-1): 2021 IS/IEC 60947-6-1:2021 | Low-voltage switchgear and controlgear Part 6 Multiple function equipment Section 1 Transfer switching equipment (<i>First Revision</i>) |
| 36. | IS/IEC 60947-6-2): 2020 IEC 60947-6-2: 2020 | Low-voltage switchgear and controlgear Part 6-2: Multiple function equipment Control and protective switching devices or equipment (CPS) |
| 37. | IS/IEC 61439-0: 2014 IEC 61439-0:2014 | Low-Voltage Switchgear and Controlgear Assemblies Part 0 Guidance to Specifying Assemblies |
| 38. | IS/IEC 61439-1: 2020 IEC 61439-1:2020 | Low-voltage switchgear and controlgear assemblies Part 1: General rules (<i>First Revision</i>) |
| 39. | IS/IEC 61439-2: 2020 IEC 61439-2:2020 | Low-voltage switchgear and controlgear assemblies Part 2: Power switchgear and controlgear assemblies (<i>First Revision</i>) |
| 40. | IS/IEC 61439-3: 2012 IEC 61439-3 : 2012 | Low - Voltage switchgear and controlgear assemblies: Part 3 distribution boards intended to be operated by ordinary persons (Dbo) |
| 41. | IS/IEC 61439-4: 2012 IEC 61439-4 : 2012 | Low - Voltage switchgear and controlgear assemblies: Part 4 particular requirements for assemblies for construction sites (Acs) |

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| 42. | IS/IEC 61439-5: 2014 IEC 61439-5 : 2014 | Low-Voltage Switchgear and Controlgear Assemblies Part 5 Assemblies for Power Distribution in Public Networks |
| 43. | IS/IEC 61439-6: 2012 IEC 61439-6 : 2012 | Low-Voltage Switchgear and Controlgear Assemblies Part 6 Busbar Trunking Systems (Busways) |
| 44. | IS/IEC/TS 61439-7: 2023 IEC 61439-7:2022 | Low-voltage switchgear and controlgear assemblies Part 7: Assemblies for specific applications such as marinas camping sites market squares electric vehicle charging stations (<i>First Revision</i>) |
| 45. | IS 8588 (Part 1): 1977 DIN 1715 | Specification for thermostatic bimetals: Part 1 general requirements and methods of tests |