BUREAU OF INDIAN STANDARDS

Program of Work

ETD 35 : Power Systems Relays

Scope: To prepare standards for power systems relays including those incorporating solid state

devices, also taking into account combination of relays and devices to form schemes for power

systems including control equipment associated with that protection

Liaison: **IEC TC-94 (P):** Electrical relays **IEC TC-95 (P):** Measuring relays and protection equipment

Published Standards

| S.No | IS No. | TITLE | Reaffirm M-Y | No. of Amds | Eqv. |
|---------|----------------------|---------------------------------------|--------------|-------------|------------------------|
| 1 | IS 10075 : 1981 | Specification for start relay and | June, 2024 | - | Indigenous |
| | Reviewed In: 2024 | overload protector for resistance | | | |
| | Decision taken to | start induction run hermetic | | | |
| | Reaffirm and | compressor | | | |
| | Archive | | | | |
| 2 | IS 14122 : 1994 | Built - In thermal protection for | | - | Modified/Technically |
| | Reviewed In: 2016 | electric motors rated up to 660 V | | | Equivalent |
| | IEC 60034-11(1978) | AC - Specification | | | |
| 3 | IS 17064 (Part 1): | Electromechanical elementary | March, 2024 | 1 | Identical under dual |
| | 2018 | relays: Part 1 general and safety | | | numbering |
| | IEC 61810-1 : 2015 | requirements | | | |
| | Reviewed In: 2024 | | | | |
| | IEC 61810-1:2015 | | | | |
| 4 | IS 17064 (Part 2): | Electromechanical elementary | March, 2024 | - | Identical under dual |
| | 2019 | relays: Part 2 reliability | | | numbering |
| | IEC 61810-2 : 2017 | | | | |
| | Reviewed In: 2024 | | | | |
| | IEC 61810-2: 2017 | | | | |
| 5 | IS 17064 (Part 2/Sec | - | March, 2024 | - | Identical under dual |
| | 1): 2019 | relays: Part 2 reliability: Sec 1 | | | numbering |
| | IEC 61810-2-1: | procedure for the verification of | | | |
| | 2017 | b10 values | | | |
| | Reviewed In: 2024 | | | | |
| | IEC 61810-2-1: | | | | |
| | 2017 | | | | |
| 6 | IS 17064 (Part 3): | Electromechanical Elementary | | - | Identical under single |
| | | Relays Part 3 Relays with Forcibly | | | numbering |
| | IEC 61810-3 : 2015 | Guided (Mechanically Linked) | | | |
| <u></u> | 61810-3:2015 | Contacts | 1 2024 | | 71 . 1 1 1 1 1 |
| 7 | IS 17065 (Part 1): | Electromechanical telecom | March, 2024 | - | Identical under dual |
| | 2018 | elementary relays of assessed | | | numbering |
| | | quality: Part 1 generic specification | | | |
| | Reviewed In : 2024 | and blank detail specification | | | |
| | IEC 61811-1 :2015 | Deed witches B. (1 | M1- 2024 | | Tilenderle 1 1 1 |
| 8 | IS 17066 (Part 1): | Reed switches: Part 1 generic | March, 2024 | - | Identical under dual |
| | 2018 | specification | | | numbering |
| | IEC 62246-1 : 2015 | | | 1 | |

| 1 | Reviewed In: 2024 | I i | | 1 1 | |
|----|------------------------|--|-----------------|-----|------------|
| | IEC 62246-1 :2015 | | | | |
| 9 | IS 18488 : 2024 | GUIDELINES FOR | | _ | Indigenous |
| | 15 10 100 . 202 ! | SUBSTATION AUTOMATION | | | margonous |
| | | SYSTEM BASED ON IEC 61850 | | | |
| 10 | IS 3637 : 1966 | Specification for gas - Operated | September, 2016 | 1 | Indigenous |
| 10 | Reviewed In: 2016 | relays | Septemoer, 2010 | | margonous |
| 11 | IS 3638 : 1966 | Application guide for gas - | September, 2016 | 1 | Indigenous |
| | Reviewed In: 2016 | Operated relays | 50ptemeer, 2010 | | margonous |
| 12 | IS 3842 (Part 1): | Application guide for electrical | August, 2021 | _ | Indigenous |
| | 1967 | relays for AC systems: Part i | 28.21) | | 8 |
| | Reviewed In: 2021 | overcurrent relays for feeders and | | | |
| | | transformers | | | |
| 13 | IS 3842 (Part 2): | Application guide for electrical | August, 2021 | - | Indigenous |
| | 1966 | relays for AC systems: Part 2 | | | |
| | Reviewed In: 2021 | overcurent relays for generators | | | |
| | | and motors | | | |
| 14 | IS 3842 (Part 3): | Application guide for electrical | August, 2021 | 1 | Indigenous |
| | 1966 | relays for AC systems: Part 3 phase | - | | _ |
| | Reviewed In: 2021 | unbalance relays including negative | | | |
| | | phase sequence relays | | | |
| 15 | IS 3842 (Part 4): | Application guide for electrical | August, 2021 | 1 | Indigenous |
| | 1966 | relays for AC systems: Part 4 | | | |
| | Reviewed In: 2021 | thermal relays | | | |
| 16 | IS 3842 (Part 5): | Application guide for electrical | August, 2021 | - | Indigenous |
| | 1968 | relays for AC systems: Part 5 | | | |
| | Reviewed In: 2021 | distance protection relays | | | |
| 17 | IS 3842 (Part 6): | Application guide for electrical | August, 2021 | - | Indigenous |
| | 1972 | relays for AC systems: Part 6 | | | |
| | Reviewed In: 2021 | power relays | | | |
| 18 | IS 3842 (Part 7): | Application guide for electrical | August, 2021 | - | Indigenous |
| | 1972 | relays for AC systems: Part 7 | | | |
| 10 | Reviewed In: 2021 | frequency relays | A 2021 | | T., 4' |
| 19 | IS 3842 (Part 8): 1976 | Application guide for electrical | August, 2021 | - | Indigenous |
| | Reviewed In: 2021 | relays for AC systems: Part 8 voltage relays | | | |
| 20 | IS 3842 (Part 9): | Application guide for electrical | August, 2021 | | Indigenous |
| 20 | 1977 | relays for AC systems: Part 9 | August, 2021 | _ | margenous |
| | Reviewed In: 2021 | relays for bus bar protection | | | |
| 21 | IS 3842 (Part 10): | Application guide for electrical | | _ | Indigenous |
| 21 | 1976 | relays for AC systems: Part 10 | | | margenous |
| | Reviewed In: 2016 | relays for transverse differential | | | |
| | 130,10,700 111 . 2010 | protection | | | |
| 22 | IS 3842 (Part 12): | Application guide for electrical | | _ | Indigenous |
| | 1976 | relays for AC systems: Part 12 | | | |
| | | differential relays for transformers | | | |
| 23 | IS 4483 (Part 1): | Preferred panel cut - Out | June, 2024 | - | Indigenous |
| | 1968 | dimensions for electrical relays: | , | | <i>U</i> |
| | Reviewed In: 2024 | Part 1 flush mounting IDMTL | | | |
| | Decision taken to | relays | | | |
| | Reaffirm and | _ | | | |
| | Archive | | | | |
| 24 | IS 5834 (Part 1): | Electrical timer relays for | | - | Indigenous |
| | 1994 | industrial purposes - Specification: | | | |
| | Reviewed In: 2019 | Part 1 pneumatic (First Revision) | | | |
| 25 | IS 5834 (Part 2): | Electrical timer relays for | April, 2018 | - | Indigenous |
| | 1993 | industrial purposes - Specification: | | | |
| | Reviewed In: 2018 | Part 2 motorued (First Revision) | | | |
| 26 | IS 5834 (Part 3): | Specification for electrical timber | | 2 | Indigenous |
| • | • | . ' | | . ' | |

| | 1981 Reviewed In : 2019 | relays for industrial purposes: Part 3 electronic | | | |
|----|--|--|----------------|---|-------------------------------------|
| 27 | IS/IEC 60255-1: 2009 IEC 60255-1: 2009 Reviewed In: 2020 IEC 60255: Part 1: 2009 | Measuring relays and protection equipment: Part 1 common requirements | December, 2020 | - | Identical under single numbering |
| 28 | IS/IEC 60255-12 : 1980 IEC 60255-12 : 1980 Reviewed In : 2020 IEC 60255 : Part 12 : 1980 | Electrical relays: Part 12 directional relays and power relays with two input energizing quantities | December, 2020 | - | Identical under single numbering |
| 29 | IS/IEC 60255-13: 1980 IEC 60255-13: 1980 Reviewed In: 2022 IEC 60255: Part 13: 1980 | Electrical relays: Part 13 biased (Percentage) differential relays | June, 2022 | - | Identical under single numbering |
| 30 | | Electrical Relays Part 21 Vibration, Shock, Bump and Seismic Tests on Measuring Relays and Protection Equipment Section 2 Shock and bump tests | January, 2020 | - | Identical under single numbering |
| 31 | IS/IEC 60255-21-3: 1993 IEC 60255-21-3: 1993 Reviewed In: 2022 IEC 60255-21-3: 199 | Electrical Relays Part 21 Vibration, Shock, Bump and Seismic Tests on Measuring Relays and Protection Equipment Section 3 Seismic tests | June, 2022 | - | Identical under dual numbering |
| 32 | IS/IEC 60255-21-1: 1988 IEC 60255-21-1: 1988 Reviewed In: 2020 IEC 60255: Part 21: Sec 1: 1988 | Electrical relays: Part 21 vibration, shock, bump and seismic tests on measuring relays and protection equipment: Sec 1 vibration tests (Sinusoidal) | December, 2020 | - | Identical under single numbering |
| 33 | IS/IEC 60255-24 : 2013 IEC 60255-24 : 2013 IEC60255-24:2013 | | | - | Identical under single numbering |
| 34 | IS/IEC 60255-26: 2013 IEC 60255-26: 2013 IEC 60255-26: 2008 | Requirements (First Revision) | | - | Identical under dual numbering |
| 35 | IS/IEC 60255-27 : 2013 IEC 60255-27 : 2013 60255-27:2013 | Measuring Relays and Protection Equipment Part 27 Product Safety Requirements (First Revision) | | - | Identical under single numbering |
| 36 | IS/IEC/IEEE | Measuring Relays and Protection Equipment Part 118 Synchrophasor for Power Systems Section 1 Measurements | | - | Identical under single numbering |

| l | 60255-118-1 | | | | 1 |
|----------|------------------------------------|--|-------------|---|------------------------|
| 37 | IS/IEC 60255-121 : | Measuring relays and protection | | _ | Identical under single |
| - | 2014 | equipment: Part 121 functional | | | numbering |
| | | requirements for distance | | | |
| | IEC 60255 : Part | protection | | | |
| | 121 : 2014 | | | | |
| 38 | IS/IEC 60255-127: | Measuring relays and protection | | - | Identical under dual |
| | 2010 | equipment: Part 127 functional | | | numbering |
| | IEC 60255-127: | requirements for over/under | | | |
| | 2010 | voltage protection | | | |
| | IEC 60255-127: | | | | |
| | 2010 | | | | |
| 39 | IS/IEC 60255-149: | Measuring Relays and Protection | | - | Identical under single |
| | 2013 | Equipment Part 149 Functional | | | numbering |
| | IEC 60255-149: | Requirements for Thermal | | | |
| | 2013 | Electrical Relays | | | |
| | 60255-149:2013 | | | | |
| 40 | IS/IEC 60255-151 : | Measuring relays and protection | | - | Identical under dual |
| | 2009 | equipment: Part 151 functional | | | numbering |
| | IEC 60255-151 : | requirements for over/under | | | |
| | 2007 | current protection | | | |
| | IEC 60255-151: | | | | |
| 4.1 | 2009 |) | 1 2024 | | 71 1 1 |
| 41 | IS/IEC 60255-181 : | Measuring Relays and Protection | March, 2024 | - | Identical under single |
| | 2019 | Equipment Part 181 Functional | | | numbering |
| | IEC 60255-181 : | Requirements for Frequency | | | |
| | 2019 Reviewed In : 2024 | Protection | | | |
| | 60255-181:2019 | | | | |
| 42 | IS/IEC 61810-7 : | Electromechanical elementary | March, 2024 | | Identical under single |
| 42 | | relays: Part 7 test and measurement | Maich, 2024 | _ | numbering |
| | IEC 61810-7 : 2006 | procedures | | | numbering |
| | Reviewed In: 2024 | procedures | | | |
| | IEC 61810 : Part 7 : | | | | |
| | 2006 | | | | |
| 43 | IS/IEC 61812-1: | Time Relays for Industrial and | | _ | Identical under dual |
| | | Residential Use Part 1 Reuirements | | | numbering |
| | IEC 61812-1:2011 | and Tests | | | |
| | IEC 61812-1:2011 | | | | |
| 44 | IS/IEC 62246-1-1): | Reed Switches Part 1 Generic | | - | Identical under single |
| | 2018 | Specification Section 1 Blank | | | numbering |
| | IEC 62246-1-1: | detail specification (First Revision | | | |
| | 2018 |) | | | |
| | 62246-1-1:2018 | | | | |
| 45 | IS/IEC 62314 : 2006 | Solid - State relays | | - | Identical under single |
| | IEC 62314 : 2006 | | | | numbering |
| <u> </u> | IEC 62314 : 2006 | | | | |
| 46 | IS 8714 : 1978 | Specification for electrical | | - | Modified/Technically |
| | | protective relays for use in seismic | | | Equivalent |
| | BS 142: 1966 and | areas | | | |
| 47 | ANSI C 37. 90-1971 | | | 1 | T., dt |
| 47 | IS 9124: 1979 | Guide for maintenance and field | | 1 | Indigenous |
| 48 | Reviewed In: 2016 IS 9994: 1981 | testing of electrical relays | | | Indiganous |
| 40 | Reviewed In : 2016 | Specification for potential relays for capacitor - Start capacitor - | | - | Indigenous |
| | Keviewed III . 2010 | Run hermetic compressors | | | |
| | I | ivan nermene compressors | | 1 | I |

Standards under Development

| | Projects Approved | | |
|------------------|-----------------------|--|--|
| SI. No. | SI. No. Doc No. Title | | |
| No Records Found | | | |

| Preliminary Draft Standards | | | |
|-----------------------------|-------------------------|--|--|
| SI. No. | Doc No. | Title | |
| 1 | ETD 35 (26302) Revision | Solid-state relays | |
| | of: IS/IEC 62314:2006 | | |
| 2 | ETD 35 (26305) Revision | Time Relays for Industrial and Residential Use | |
| | of: IS/IEC 61812:2011 | | |
| 3 | ETD 35 (26351) Revision | Specification for gas - Operated relays | |
| | of: IS 3637:1966 | | |

| | Drafts Standards in WC Stage | | |
|------------------|------------------------------|-------|--|
| SI. No. | Doc No. | Title | |
| No Records Found | | | |

| | Draft Standards Completed WC Stage | | |
|------------------|------------------------------------|--|--|
| SI. No. | SI. No. Doc No. Title | | |
| No Records Found | | | |

| | Finalized Draft Indian Standard | | | | |
|---------|---------------------------------|--|--|--|--|
| SI. No. | Doc No. | Title | | | |
| 1 | ETD 35 (24600) | Measuring relays and protection equipment Part 187 Functional requirements for differential protection Section 1 Restrained and Unrestrained differential protection of motors generators and transformers | | | |

| | Finalized Draft Indian Standards under Print | | | | |
|---------|--|---|--|--|--|
| SI. No. | Doc No. | Title | | | |
| 1 | ETD 35 (24590) | Electromechanical elementary relays - Part 4 General and safety requirements for reed relays | | | |
| 2 | ETD 35 (24597) | Electromechanical elementary relays Part 10 Additional functional aspects and safety requirements | | | |
| | | for high-capacity relays | | | |

Total Published Standards:47 Total Standards Under development:6

Aspect Wise Report

Product: 17 Code of Practices: 4 Methods of Test: 12

Terminology: 0 Dimensions: 0 System Standard: 0

Safety Standard : 2 Others : 13

Service Specification : 0 Process Specification : 0 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

24-11-2024 12:00:40

| SI. No. | IS No. & Year | Title |
|---------|-------------------------|--|
| 1 | IS 12083 (Part 1): 1986 | Specification for electrical relays Part 1 contact performance |
| | Reviewed In: 2016 IEC | |
| | 60255-0-20 (1974) | |
| 2 | IS 12083 (Part 2): 1986 | Specificati - On for electrical relays Part 2 insulation tests |
| | Reviewed In: 2016 IEC | |
| | 60255-5 (1977) | |
| 3 | IS/QC 160000-1 : 1988 | Specification for electrical relays Part 1 test and measurement procedures for electromechanical |
| | IEC Pub 255-7 (1978) | all - Or - Nothing relays |
| | Reviewed In: 2014 IEC | |
| | Pub 255-7 (1978) | |
| 4 | IS/QC 160000-2 : 1988 | Specification for electrical relays Part 2 application of the IEC quality assessment system for |
| | IEC Pub 255-10 (1979) | electronic components to all - Or - Nothing relays |
| | Reviewed In: 2019 IEC | |
| | Pub 255-10 (1979) | |
| 5 | IS/QC 160100 : 1988 | Electrical relays Secal specification electromechanical all - Or -Nothing relays of assessed quality |
| | IEC Pub 255-19/QC | |
| | 160100 (1983) | |
| | Reviewed In: 2019 IEC | |
| | Pub 255-19/QC 160100 | |
| | (1983) | |
| 6 | IS/QC 160101 : 1988 | Electrical relay Secal specification electromechanical all - Or - Nothing relays of assessed quality |
| | IEC Pub | |
| | 255-19-1(1983)/IEC QC | |
| | 160101 | |
| | Reviewed In: 2019 IEC | |
| | Pub 255-19-1(1983)/IEC | |
| | QC 160101 | |
| 7 | IS 3231 (Part 0): 1986 | Electrical relays for power systems protection Part 0 General introduction and list of parts |
| | Reviewed In: 2014 | |
| 8 | IS 3231 (Part 1/Sec 1): | Electrical Relays for Power System Protection Part 1 General Requirements Section 1 Contact |
| | 1986 | Performance |
| | Reviewed In: 2011 | |
| 9 | IS 3231 (Part 1/Sec 2): | Electrical relays for power system protection Part 1 General requirements Section 2 Insulation |
| | 1986 | tests |
| | Reviewed In: 2011 | |
| 10 | IS 3231 (Part 1/Sec 3): | Electrical realys for power system protection Part 1 General requirements Section 3 High |
| | 1986 | frequency distrubance test for static relays |
| | IEC 255-4 | |
| | Reviewed In: 2011 | |
| 11 | IS 3231 (Part 2/Sec 1): | Electrical Relays for Power System Protection - Part 2 Requirements for Principal Families - |
| | 1987 | Section 1 All-or-Nothing Relays |
| | IEC 255-1-00 | |
| | Reviewed In: 2011 | |
| 12 | IS 3231 (Part 2/Sec 2): | Electrical Relays for Power System Protection - Part 2 Requirements for Principal Families - |
| | 1987 | Section 2 General Requirements for Measuring Relays |
| | Reviewed In: 2011 | |
| 13 | IS 3231 (Part 2/Sec 3): | Electrical relays for power system protection Part 2 Requirements for principal families Section 3 |
| | 1987 | General requirements for thermal rlays |
| | IEC 255-8 | |
| | Reviewed In: 2011 | |
| 14 | IS 3231 (Part 3/Sec 1): | Electrical Relays for Power System Protection - Part 3 Requirements for Particular Group of |
| | 1987 | Relays - Section 1 Non-specified Time or Independent Specified Time Measuring Relays |
| | IEC 255-3 | |
| | Reviewed In: 2011 | |
| 15 | IS 3231 (Part 3/Sec 2): | Electrical Relays for Power System Protection - Part 3 Requirements for Particular Group of |
| | 1987 | Relays - Section 2 Dependent Specified Time Measuring Relays |
| | IEC 255-13 | |
| | Reviewed In: 2011 | |
| | Reviewed III . 2011 | |

| | T | |
|----|-----------------------------|---|
| 16 | IS 3231 (Part 3/Sec 3): | Electrical Relays for Power System Projection - Part 3 Requirements for Particular Group of |
| | 1987 | Relays - Section 3 Biased Percentage Differential Relays |
| | IEC 255-13 | |
| | Reviewed In: 2011 | |
| 17 | IS 3231 (Part 3/Sec 4): | Electrical Relays for Power System Protection - Part 3 Requirements for Particular Group of |
| | 1987 | Relays - Section 4 Directional Relays and Power Relays |
| | IEC 255-12 | |
| | Reviewed In: 2011 | |
| 18 | IS 3231 (Part 3/Sec 5): | Electrical relays for power system Protection Part 3 Requirements for particular group of relays |
| | 1987 | Section 5 Impedance measuring relays |
| | IEC 255-16 | |
| | Reviewed In: 2011 | |
| 19 | IS/IEC 60255-5 : 2000 | Measuring relays and protection equipment Part 5 insulation coordination for measuring relays and |
| | IEC 60255-5 : 2000 | protection equipment - Requirements and tests |
| | IEC 60255-5:2000 | |
| 20 | IS/IEC 60255-8: 1990 | Electrical relays Part 8 thermal electrical relays |
| | IEC 60255-8: 1990 | |
| | IEC 60255 : Part 8 : 1990 | |
| 21 | IS/IEC 60255-11 : 2008 | Measuring relays and protection equipment Part 11 voltage dips short interruptions variations and |
| | IEC 60255-11 : 2008 | ripple on auxiliary power supply port |
| | IEC 60255 : Part 11 : 2008 | |
| 22 | IS/IEC 60255-22-6) : 2001 | Electrical Relays Part 22 Electrical Disturbance Tests for Measuring Relays and Protection |
| | IEC 60255-22-6 : 2001 | Equipment Section 6 Immunity to conducted disturbances induced by radio frequency fields |
| | IEC 60255-22-6 : 200 | |
| 23 | IS/IEC 60255-22-7): 2003 | Electrical Relays Part 22 Electrical Disturbance Tests for Measuring Relays and Protection |
| | IEC 60255-22-7:2003 | Equipment Section 7 Power frequency immunity tests |
| | IEC 60255-22-7:2003 | |
| 24 | IS/IEC 60255-22- 1): 2007 | Measuring relays and protection equipment Part 22 electrical disturbance tests Sec 11 MHZ burst |
| | IEC 60255-22-1 : 2007 | immunity tests |
| | IEC 60255 : Part 22 : Sec 1 | |
| | : 2007 | |
| 25 | IS/IEC 60255-25 : 2000 | Electrical relays Part 25 electromagnetic emission tests for measuring relays and protection |
| | IEC 60255-25 : 2000 | equipmen |
| | IEC 60255 : Part 25 : 2000 | |
| 26 | IS 8686 : 1977 | Specification for static protective relays |
| | IEC 255-4 | |
| | Reviewed In: 2016 IEC | |
| | Pub 255-4(1976) | |

Annexure-II :List of Indian Product Standards

| SI. No. | IS No. & Year | Title |
|---------|----------------------------|--|
| 1 | IS 10075 : 1981 | Specification for start relay and overload protector for resistance start induction run hermetic |
| | Reviewed In: 2024 | compressor |
| | Decision taken to Reaffirm | |
| | and Archive | |
| 2 | IS 17064 (Part 3): 2020 | Electromechanical Elementary Relays Part 3 Relays with Forcibly Guided Mechanically Linked |
| | IEC 61810-3 : 2015 | Contacts |
| | 61810-3:2015 | |
| 3 | IS 17065 (Part 1): 2018 | Electromechanical telecom elementary relays of assessed quality Part 1 generic specification and |
| | IEC 61811-1:2015 | blank detail specification |
| | Reviewed In: 2024 IEC | |
| | 61811-1 :2015 | |
| 4 | IS 17066 (Part 1): 2018 | Reed switches Part 1 generic specification |
| | IEC 62246-1 : 2015 | |
| | Reviewed In: 2024 IEC | |
| | 62246-1 :2015 | |
| 5 | IS 3637 : 1966 | Specification for gas - Operated relays |
| | Reviewed In: 2016 | |

| 6 | IS 5834 (Part 1): 1994 | Electrical timer relays for industrial purposes - Specification Part 1 pneumatic First Revision |
|----|---------------------------|---|
| | Reviewed In: 2019 | |
| 7 | IS 5834 (Part 2): 1993 | Electrical timer relays for industrial purposes - Specification Part 2 motorued First Revision |
| | Reviewed In: 2018 | |
| 8 | IS 5834 (Part 3): 1981 | Specification for electrical timber relays for industrial purposes Part 3 electronic |
| | Reviewed In: 2019 | |
| 9 | IS/IEC 60255-1: 2009 | Measuring relays and protection equipment Part 1 common requirements |
| | IEC 60255-1: 2009 | |
| | Reviewed In: 2020 IEC | |
| | 60255 : Part 1 : 2009 | |
| 10 | IS/IEC 60255-13 : 1980 | Electrical relays Part 13 biased Percentage differential relays |
| | IEC 60255-13: 1980 | |
| | Reviewed In: 2022 IEC | |
| | 60255 : Part 13 : 1980 | |
| 11 | IS/IEC 60255-27 : 2013 | Measuring Relays and Protection Equipment Part 27 Product Safety Requirements First Revision |
| | IEC 60255-27: 2013 | |
| | 60255-27:2013 | |
| 12 | IS/IEC 60255-121 : 2014 | Measuring relays and protection equipment Part 121 functional requirements for distance |
| | | protection |
| | IEC 60255 : Part 121 : | • |
| | 2014 | |
| 13 | IS/IEC 60255-149 : 2013 | Measuring Relays and Protection Equipment Part 149 Functional Requirements for Thermal |
| | IEC 60255-149: 2013 | Electrical Relays |
| | 60255-149:2013 | · |
| 14 | IS/IEC 62246-1-1): 2018 | Reed Switches Part 1 Generic Specification Section 1 Blank detail specification First Revision |
| | IEC 62246-1-1: 2018 | • |
| | 62246-1-1:2018 | |
| 15 | IS/IEC 62314 : 2006 | Solid - State relays |
| | IEC 62314 : 2006 | · |
| | IEC 62314 : 2006 | |
| 16 | IS 8714 : 1978 | Specification for electrical protective relays for use in seismic areas |
| | Reviewed In: 2016 BS 142: | · · · |
| | 1966 and ANSI C 37. | |
| | 90-1971 | |
| 17 | IS 9994 : 1981 | Specification for potential relays for capacitor - Start capacitor - Run hermetic compressors |
| | Reviewed In: 2016 | |