

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 7 : Low Voltage Switchgear And Controlgear

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 1 200 V dc

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

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10027 : 2018	Composite units of air - Break switches and rewirable type fuses for voltages not exceeding 650 v a.c. - Specification (Second Revision)	-	-	Indigenous
2	IS 12021 : 2015	Control transformers or switchgear and controlgear for voltages not exceeding 1000 v a.c. - Specification (First Revision)	-	-	Indigenous
3	IS 12640 (Part 1) : 2016 IEC 61008-1 : 2012 IEC 61008-1 : 2012	Residual current operated circuitBreakers without integral overcurrent protection for household and similar uses (Rccb's): Part 1 general rules (Second Revision)		4	Identical under dual numbering
4	IS 12640 (Part 2) : 2016 IEC 61009-1 : 2012 IEC 61009-1 : 2012	Residual current operated circuit - Breakers with integral overcurrent protection for household and similar uses (Rcbos): Part 2 general rules		3	Identical under dual numbering
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		-	Identical under dual numbering
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		-	Identical under dual numbering

	IEC 61008-2-2 : 1990	(RCCB's) Part 4 Applicability of the General Rules to RCCB's Functionally Dependent on Line Voltage			
7	IS 13032 : 1991 Reviewed In : 2016	Ac miniature circuit - Breaker boards for voltages not exceeding 1000 v - Specification	March, 2016	2	Indigenous
8	IS 14577 : 2022 IEC 61363-1:1998 IEC 61363-1:1998	Electrical installations of Ships and Mobile and Fixed offshore Units Part 1 Procedures for Calculating Short Circuit Currents in Three-Phase a.c. (First Revision)		-	Identical under dual numbering
9	IS 14614 : 2023 IEC 61543: 2022 IEC 61543: 2022	Residual current-operated protective devices RCDs for household and similar use Electromagnetic compatibility (First Revision)		-	Identical under dual numbering
10	IS 16463 (Part 11) : 2016 IEC 61643-11 : 2011 IEC 61643-11:2011	Low - Voltage surge protective devices: Part 11 surge protective devices connected to low - Voltage power systems - Requirements and test methods		-	Identical under dual numbering
11	IS 16463 (Part 12) : 2017 IEC 61643-12 : 2008 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		-	Identical under dual numbering
12	IS 17040 : 2018 IEC 62335 : 2008 IEC 62335 : 2008	Circuit Breakers " Switched Protective Earth Portable Residual Current Devices for Class I and Battery Powered Vehicle Applications		-	Identical under dual numbering
13	IS 17119 : 2019 IEC 62640 : 2015 IEC 62640 : 2015	Residual current devices with or without overcurrent protection for socket - Outlets for household and similar uses		-	Identical under dual numbering
14	IS 17120 : 2019 IEC 62752 : 2016 IEC 62752 : 2016	In - Cable control and protection device for mode 2 charging of electric road vehicles (Ic - Cpd)		1	Identical under dual numbering
15	IS 17121 : 2019 IEC 62606 : 2017 IEC 62606 : 2017	General requirements for arc fault detection devices		-	Identical under dual numbering
16	IS 17122 : 2019 IEC 62019 : 2003 IEC 62019 : 2003	Electrical accessories - Circuit - Breakers and similar equipment for household use - Auxiliary contact units		-	Identical under dual numbering
17	IS 5039 : 1983 Reviewed In : 2021	Specification for distribution pillars for voltages not exceeding 1000 V AC and 1200 V DC (First Revision)	March, 2021	1	Indigenous
18	IS/IEC 60715 : 2017 NULL Reviewed In : 2024 IEC 60715 : 2017	Dimensions of low - Voltage switchgear and controlgear - Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories (First Revision)	March, 2024	-	Identical under single numbering
19	IS/IEC 60898-1 : 2015 IEC 60898-1 : 2015	Electrical accessories - Circuit - Breakers for overcurrent protection for household and similar	March, 2024	-	Identical under single numbering

	Reviewed In : 2024 iec 60898	installations: Part 1 circuit - Breakers for a.c. operation (First Revision)			
20	IS/IEC 60898-2 : 2016 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		-	Identical under single numbering
21	IS/IEC 60898-3 : 2019 IEC 60898-3:2019+ AMD1:2022 CSV 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		-	Identical under dual numbering
22	IS/IEC 60947-1 : 2020 IEC 60947-1:2020 IEC 60947-1:2020	LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR PART 1 GENERAL RULES		-	Identical under single numbering
23	IS/IEC 60947-2 : 2016 IEC 60947-2 : 2016 Reviewed In : 2017 IS/IEC 60947 - 2 : 2016	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision)	December, 2017	1	Identical under single numbering
24	IS/IEC 60947-3 : 2020 IEC 60947-3 : 2020 IEC 60947-3 : 2020	Low-Voltage Switchgear and Controlgear: Part 3 Switches Disconnectors Switch-Disconnectors and Fuse-Combination Units		-	Identical under single numbering
25	IS/IEC 60947-3 : 2012 IEC 60947-3 : 2012 Reviewed In : 2018 IEC 60947-3 : 2020	Low - Voltage switchgear and controlgear: Part 3 switches, disconnectors, switch disconnectors and fuse - Combination units (First Revision)	January, 2018	-	Identical under single numbering
26	IS/IEC 60947-4-1 : 2018 IEC 60947-4-1: 2018 Reviewed In : 2023 IEC 60947-4-1: 2018	Low-Voltage switchgear and controlgear : Part 4-1 Contactors and motor starters electromechanical contactors and motor-Starters	August, 2023	-	Identical under single numbering
27	IS/IEC 60947-4-1 : 2012 IEC 60947-4-1 : 2012 Reviewed In : 2018 IEC 60947-4-1: 2018	Low - Voltage switchgear and controlgear: Part 4 contactors and motor - Starters: Sec 1 electromechanical contactors and motor - Starters (First Revision)	January, 2018	-	Identical under single numbering
28	IS/IEC 60947-4-2) : 2020 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		-	Identical under single numbering
29	IS/IEC 60947-4-3) : 2020 IEC 60947-4-3: 2020 IEC 60947-4-3:	Low-Voltage Switchgear And Controlgear: Part 4-3 Contactors And Motor-Starters Semiconductor Controllers And Semiconductor Contactors For Non-Motor Loads		-	Identical under single numbering

	2020				
30	IS/IEC 60947-5-5 : 2016 IEC 60947-5-5 : 2016 Reviewed In : 2024 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	March, 2024	-	Identical under single numbering
31	IS/IEC 60947-5-1) : 2016 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		-	Identical under single numbering
32	IS/IEC 60947-5-1 : 2009 Reviewed In : 2018 IEC 60947-5-1: 2016	Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 1 electromechanical control circuit devices (First Revision)	January, 2018	-	Identical under single numbering
33	IS/IEC 60947-5-2) : 2019 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 (First Revision)		-	Identical under single numbering
34	IS/IEC 60947-6-1) : 2021 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 (First Revision)		-	Identical under single numbering
35	IS/IEC 60947-6-2) : 2020 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)		-	Identical under single numbering
36	IS/IEC 61439-0 : 2014 Reviewed In : 2024 IEC 61439-0:2014	Low-Voltage Switchgear and Controlgear Assemblies Part 0 Guidance to Specifying Assemblies	March, 2024	-	Identical under single numbering
37	IS/IEC 61439-1 : 2020 IEC 61439-1:2020 IEC 61439-1:2020	Low-voltage switchgear and controlgear assemblies Part 1: General rules (First Revision)		-	Identical under single numbering
38	IS/IEC 61439-2 : 2020 IEC 61439-2:2020 IEC 61439-2:2020	Low-voltage switchgear and controlgear assemblies Part 2: Power switchgear and controlgear assemblies (First Revision)		-	Identical under single numbering
39	IS/IEC 61439-3 : 2012 IEC 61439-3 : 2012 Reviewed In : 2024 IEC 61439-3 : 2012	Low - Voltage switchgear and controlgear assemblies: Part 3 distribution boards intended to be operated by ordinary persons (Dbo)	March, 2024	-	Identical under single numbering
40	IS/IEC 61439-4 : 2012 IEC 61439-4 : 2012 Reviewed In : 2024	Low - Voltage switchgear and controlgear assemblies: Part 4 particular requirements for assemblies for construction sites	March, 2024	-	Identical under single numbering

	IEC 61439-4 : 2012	(Acs)			
41	IS/IEC 61439-5 : 2014 IEC 61439-5 : 2014 Reviewed In : 2024 IEC 61439 - 5 : 2014	Low-Voltage Switchgear and Controlgear Assemblies Part 5 Assemblies for Power Distribution in Public Networks	March, 2024	-	Identical under single numbering
42	IS/IEC 61439-6 : 2012 IEC 61439-6 : 2012 Reviewed In : 2024 IEC 61439-6 : 2012	Low-Voltage Switchgear and Controlgear Assemblies Part 6 Busbar Trunking Systems (Busways)	May, 2024	-	Identical under dual numbering
43	IS/IEC/TS 61439-7 : 2023 IEC 61439-7:2022 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 (First Revision))		-	Identical under single numbering
44	IS 8588 (Part 1) : 1977 Reviewed In : 2018 DIN 1715	Specification for thermostatic bimetals: Part 1 general requirements and methods of tests	March, 2018	1	Modified/Technically Equivalent

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	ETD 7 (24761)	Low-voltage switchgear and controlgear Part 7 Ancillary equipment Section 1 Terminal blocks for copper conductors
2	ETD 7 (24762)	Low-voltage switchgear and controlgear Part 7 Ancillary equipment Section 2 Protective conductor terminal blocks for copper Conductors

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	ETD 7 (23677) Revision of:	Residual current operated circuitBreakers without integral overcurrent protection for household

Total Published Standards:40 Total Standards Under development:3

Aspect Wise Report

Product : 32
 Code of Practices : 1
 Methods of Test : 2
 Terminology : 0
 Dimensions : 1
 System Standard : 0
 Safety Standard : 3
 Others : 1
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10705 : 1983 Reviewed In : 1990	Identification Of Terminals Of Contactors And Associated Overload Relays
2	IS 11039 : 2001	Requirements for mounting on rails in switchgear and controlgear installations
3	IS 12974 : 1990 Reviewed In : 2005	Semiconductor Contactors
4	IS 1336 : 1959	Recommendations for the Colour of Push-buttons
5	IS 13947 (Part 1) : 1993 Reviewed In : 2008	Low-voltage Switchgear and Controlgear - Part 1 General Rules
6	IS 13947 (Part 2) : 1993 Reviewed In : 2008	Low-voltage Switchgear and Controlgear - Part 2 Circuit Breakers
7	IS 13947 (Part 3) : 1993 Reviewed In : 2008	Low-voltage Switchgear and Controlgear - Part 3 Switches Disconnectors Switch Disconnectors and Fuse Combination Units
8	IS 13947 (Part 4/Sec 1) : 1993 Reviewed In : 2008	Low-Voltage Switchgear and Controlgear - Part 4 Contractors and Motor-Starters - Section 1 Electromechanical Contactors and Motor Starters
9	IS 13947 (Part 5/Sec 1) : 2004	Low-Voltage Switchgear and Controlgear - Part 5 Control Circuit Devices and Switching Elements - Section 1 Electromechanical Control Circuit Devices
10	IS 13947 (Part 5/Sec 2) : 2004 Reviewed In : 2014 IEC 60947-5-2(1 999)	Low - Voltage switchgear and controlgear - Specification Part 5 control circuit devices and switching elements Sec 2 proximity switches
11	IS 1567 : 1960	Metal-clad switches current rating not exceeding 100 amperes
12	IS 1822 : 1967	AC motor starters of voltage not exceeding 1000 volts
13	IS 2516 (Part 1/Sec 1) : 1985	Circuit breakers Part 1 2 Requirements and tests Sec 1 Voltages not exceeding 1000 V ac or 1200 V dc
14	IS 2607 : 1967	Air-break isolators for voltages not exceeding 1000 volts
15	IS 2675 : 1983 Reviewed In : 2016	Enclosed distribution fuseboards and cutouts for voltages not exceeding 1000 V Ac and 1200 V Dc
16	IS 2959 : 1985	Contractors for voltages not exceeding 1000 V ac or 1200 V dc
17	IS 3072 : 1975	Code of practice for installation and maintenance of switchgear

18	IS 3106 : 1996	Code of practice for selection installation maintenance of fuses voltage not exceeding 650 volts
19	IS 375 : 1963	Marking and arrangement for switchgears bus-bars main connections and auxiliary wiring
20	IS 3914 : 1967	Code of practice for selection of ac induction motor starts voltage not exceeding 1000 volts
21	IS 4047 : 1967	Specification for bitumen mastic for use in water proofing of roofs First Revision
22	IS 4064 (Part 1) : 1978	Air-break switches air-break disconnectors air-break switch disconnectors and fuse-combination units for voltages not exceeding 1000V ac or 1200V dc Part 1 General requirements
23	IS 4064 (Part 2) : 1978	Air-break switches air-break disconnectors air-break switch disconnectors and fuse-combination units for voltages not exceeding 1000V ac or 1200V dc Part 2 Specific requirements for the direct switching of individual motors
24	IS 5124 : 1969	Code of practice for installation and maintenance of ac induction motor starters voltage not exceeding 1000 V
25	IS 5987 : 1970	Code of practice for selection of switches voltage not exceeding 1000 V
26	IS/IEC 60898-1 : 2002 Reviewed In : 2013 IEC TS 61496-4-3: 20	Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations Part 1 Circuit-breakers for ac operation
27	IS 6875 (Part 1) : 1973 Reviewed In : 1992	Control switches switching devices for control and auxiliary circuits including contactor relays for voltages up to and including 1000 V ac 1200 V dc Part 1 General requirements
28	IS 6875 (Part 2) : 1973 Reviewed In : 1992	Control switches switching devices for control and auxiliary circuits including contactor relays for voltages up to and including 1000 V ac and 1200 V dc Part 2 Push-buttons and related control switches
29	IS 6875 (Part 3) : 1980 Reviewed In : 1992	Control switches switching devices for control and auxiliary circuits including contactor relays for voltages up to and including 1 000 V ac and 1200 V dc Part 3 Rotary control switches
30	IS 8544 (Part 1) : 1977	Motor starters for voltages not exceeding 1 000 V Part 1 Direction line ac starters
31	IS 8544 (Part 2) : 1977	Motor starters for voltages not exceeding 1 000 V Part 2 Star-delta starters
32	IS 8544 (Part 3/Sec 1) : 1979	Motor starters for voltages not exceeding 1000 V Part 3 Rheostatic motor starters Sec 1 general requirements
33	IS 8544 (Part 3/Sec 2) : 1979	Motor starters for voltages not exceeding 1 000 V Part 3 Rheostatic motor starters Sec 2 Additional requirements for ac rheostatic motor controllers
34	IS 8544 (Part 4) : 1979	Motor starters for voltages not exceeding 1 000 V Part 4 Reduced voltage ac starters two step auto-transformer starters
35	IS 8623 (Part 1) : 1993 Reviewed In : 2013	Low-Voltage Switchgear and Controlgear Assemblies - Part 1 Requirements for Type-Tested and Partially Type-Tested Assemblies
36	IS 8623 (Part 2) : 1993 Reviewed In : 2018 IEC Pub 439-2 (1987)	Specification for low - Voltage switchgear and controlgear assemblies Part 2 particular requirements for busbar trunking systems Busways First Revision
37	IS 8623 (Part 3) : 1993 Reviewed In : 2018 IEC Pub 439-3(1990)	Specification for low - Voltage switchgear and controlgear assemblies Part 3 particular requirements for equipment where unskilled persons have access for their use
38	IS 8828 : 1996 Reviewed In : 2006	Electrical Accessories - Circuit Breakers for Over Current Protection for Household and Similar Installations

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10027 : 2018	Composite units of air - Break switches and rewirable type fuses for voltages not exceeding 650 v a c - Specification Second Revision
2	IS 12021 : 2015	Control transformers or switchgear and controlgear for voltages not exceeding 1000 v a c - Specification First Revision

3	IS 12640 (Part 1) : 2016 IEC 61008-1 : 2012 IEC 61008-1 : 2012	Residual current operated circuitBreakers without integral overcurrent protection for household and similar uses Rccb s Part 1 general rules Second Revision
4	IS 12640 (Part 2) : 2016 IEC 61009-1 : 2012 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 4) : 2018 IEC 61008-2-2 : 1990 IEC 61008-2-2 : 1990	Residual Current Operated Circuit Breakers Without Integral Overcurrent Protection for Household and Similar Uses RCCB 39 s Part 4 Applicability of the General Rules to RCCB 39 s Functionally Dependent on Line Voltage
6	IS 13032 : 1991 Reviewed In : 2016	Ac miniature circuit - Breaker boards for voltages not exceeding 1000 v - Specification
7	IS 16463 (Part 11) : 2016 IEC 61643-11 : 2011 IEC 61643-11:2011	Low - Voltage surge protective devices Part 11 surge protective devices connected to low - Voltage power systems - Requirements and test methods
8	IS 16463 (Part 12) : 2017 IEC 61643-12 : 2008 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
9	IS 17040 : 2018 IEC 62335 : 2008 IEC 62335 : 2008	Circuit Breakers Switched Protective Earth Portable Residual Current Devices for Class I and Battery Powered Vehicle Applications
10	IS 17119 : 2019 IEC 62640 : 2015 IEC 62640 : 2015	Residual current devices with or without overcurrent protection for socket - Outlets for household and similar uses
11	IS 17120 : 2019 IEC 62752 : 2016 IEC 62752 : 2016	In - Cable control and protection device for mode 2 charging of electric road vehicles Ic - Cpd
12	IS 17121 : 2019 IEC 62606 : 2017 IEC 62606 : 2017	General requirements for arc fault detection devices
13	IS 17122 : 2019 IEC 62019 : 2003 IEC 62019 : 2003	Electrical accessories - Circuit - Breakers and similar equipment for household use - Auxiliary contact units
14	IS 5039 : 1983 Reviewed In : 2021	Specification for distribution pillars for voltages not exceeding 1000 V AC and 1200 V DC First Revision
15	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
16	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
17	IS/IEC 60947-2 : 2016 IEC 60947-2 : 2016 Reviewed In : 2017 IS/IEC 60947 - 2 : 2016	Low - Voltage switchgear and controlgear Part 2 circuit - Breakers First Revision
18	IS/IEC 60947-3 : 2020 IEC 60947-3 : 2020	Low-Voltage Switchgear and Controlgear Part 3 Switches Disconnectors Switch-Disconnectors and Fuse-Combination Units
19	IS/IEC 60947-4-1 : 2018 IEC 60947-4-1: 2018 Reviewed In : 2023	Low-Voltage switchgear and controlgear Part 4-1 Contactors and motor starters electromechanical contactors and motor-Starters
20	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
21	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

22	IS/IEC 60947-5-5 : 2016 IEC 60947-5-5 : 2016 Reviewed In : 2024 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
23	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
24	IS/IEC 60947-5-2) : 2019 IEC 60947-5-2: 2019	Low-Voltage Switchgear and Controlgear Part 5 Control Circuit Devices and Switching Elements Section 2 Proximity Switches First Revision
25	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 First Revision
26	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
27	IS/IEC 61439-2 : 2020 IEC 61439-2:2020	Low-voltage switchgear and controlgear assemblies Part 2 Power switchgear and controlgear assemblies First Revision
28	IS/IEC 61439-3 : 2012 IEC 61439-3 : 2012 Reviewed In : 2024 IEC 61439-3 : 2012	Low - Voltage switchgear and controlgear assemblies Part 3 distribution boards intended to be operated by ordinary persons Dbo
29	IS/IEC 61439-4 : 2012 IEC 61439-4 : 2012 Reviewed In : 2024 IEC 61439-4 : 2012	Low - Voltage switchgear and controlgear assemblies Part 4 particular requirements for assemblies for construction sites Acs
30	IS/IEC 61439-5 : 2014 IEC 61439-5 : 2014 Reviewed In : 2024 IEC 61439 - 5 : 2014	Low-Voltage Switchgear and Controlgear Assemblies Part 5 Assemblies for Power Distribution in Public Networks
31	IS/IEC 61439-6 : 2012 IEC 61439-6 : 2012 Reviewed In : 2024 IEC 61439-6 : 2012	Low-Voltage Switchgear and Controlgear Assemblies Part 6 Busbar Trunking Systems Busways
32	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 First Revision