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Schema di Certificazione <i>Certification scheme</i> PRD		Regole per il rilascio della certificazione di prodotto: <i>Rules to issue product certification:</i> Mod. 035: Regolamento ACAE per la certificazione di conformità delle apparecchiature elettriche <i>ACAE Scheme for the Certification of conformity for electrical and electronic apparatus</i>			Aggiornato: Updated: 20250130
Comit. Tecn.	Prodotto/ Metodo	Sigla	Titolo	Anno-ultima edizione	Data di inserimento
Tech. Comm.	Product/ Method	Reference	Title	year-last revision	Entry date
7	Overhead electrical conductors	EN 50182	Conductors for overhead lines. Round wire concentric lay stranded conductors	2006	22/06/2020
9	Electrical equipment and systems for railways	IEC 60077-1	Railway applications - Electric equipment for rolling stock - Part 1: General service conditions and general rules	2017-2.0	24/11/2020
		IEC 60077-2	Railway applications - Electric equipment for rolling stock - Part 2: Electrotechnical components - General rules	2017-2.0	24/11/2020
		IEC 61373	Railway applications - Rolling stock equipment - Shock and vibration tests	2010-2.0	24/11/2020
11	Overhead lines	EN 50341-1	Overhead electrical lines exceeding AC 1 kV	2012	22/06/2020
		IEC 61284	Requirements and tests for fittings	1997-2.0	22/06/2020
		ING MORS 01 (TERNA)	Prescrizioni per la costruzione, il collaudo e la fornitura di morsetteria A.T. per stazioni elettriche	2019-02	23/04/2021
		INS CM 5 02 (TERNA)	Smorzatori di vibrazione	2019-01	08/07/2022
		LIN_000M3900 (TERNA)	Prescrizioni per la costruzione, il collaudo e la fornitura degli elementi di morsetteria per linee elettriche aeree A.T. con conduttori nudi	2020-2	22/06/2020
14	Power transformers	IEC 60076-1	Power transformers - Part 1: General	2011-3.0	22/06/2020
		IEC 60076-2	Power transformers - Part 2: Temperature rise for liquid-immersed transformers	2011-3.0	22/06/2020
		IEC 60076-3	Power transformers - Part 3: Insulation levels, dielectric tests and external clearances in air	2018-3.1	22/06/2020
		IEC 60076-4	Power transformers - Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors	2002-1.0	22/06/2020
		IEC 60076-5	Power transformers - Part 5: Ability to withstand short circuit	2006-3.0	22/06/2020
		IEC 60076-6	Power transformers - Part 6: Reactors	2007-1.0	22/06/2020
		IEC 60076-10	Power transformers - Part 10: Determination of sound levels	2016-2.0	22/06/2020
		IEC 60076-11	Power transformers - Part 11: Dry-type transformers power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV - Part 1: General requirements	2018-2.0	22/06/2020
		IEC 60076-13	Power transformers - Part 13: Self-protected liquid-filled transformers	2006-1.0	22/06/2020
		FNH001 (ENEL)	EDIFICIOS PREFABRICADOS DE HORMIGÓN PARA CENTROS DE TRANSFORMACIÓN -TIPO SUPERFÍCIE	2021-9a	15/10/2021
		GST001 (ENEL)	MV/LV Transformers	2018-3	22/06/2020
		RSPT15-0079STS-PAC (TERNA)	Trasformatori trifase BT/BT di isolamento	2016-0	22/06/2020
		SND 011 (ENDESA)	Reactancia trifasica para la puesta a tierra del neutro de las redes de MT	2021-04	30/01/2025
17	High-voltage switchgear and controlgear and assemblies	IEC 62271-1	High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear	2021-2.1	04/10/2021
		IEC 62271-100	High-voltage alternating current circuit-breakers	2021-3.0	31/12/2021
		IEC 62271-101	High-voltage switchgear and controlgear - Part 101: Synthetic testing	2021-3.0	31/12/2021
		IEC 62271-102	High-voltage alternating current disconnectors and hearing switches	2022-2.1	05/09/2022
		IEC 62271-103	High-voltage switches for rated voltage above 1 kV and less than 52 kV	2021-2.0	31/12/2021
		IEC 62271-104	High-voltage switches for rated voltage of 52 kV and above	2020-3.0	22/06/2020
		IEC 62271-105	High-voltage alternating current switch-fuse combinations	2021-3.0	31/12/2021
		IEC 62271-106	High-voltage alternating current contactors and contactor based motor-starters	2021-2.0	31/12/2021
		IEC 62271-107	High-voltage switchgear and controlgear - Part 107: Alternating current fused circuit-switchers for rated voltages above 1 kV up to and including 52 kV	2019-3.0	22/06/2020
		IEC 62271-111	High-voltage switchgear and controlgear - Part 111: Automatic circuit reclosers for alternating current systems up to and including 38 kV	2019-3.0	04/12/2020
		IEC 62271-200	Metal enclosed switchgear and controlgear for rated voltages up to and including 36 kV	2021-3.0	31/12/2021
		IEC 62271-201	High-voltage switchgear and controlgear - Part 201: AC solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV	2014-2.0	22/06/2020
		IEC 62271-202	High-voltage/low voltage prefabricated substations	2022-3.0	31/12/2022
		IEC 62271-203	Gas-insulated metal enclosed switchgear for rated voltages above 52 kV	2022-3.0	31/12/2022
		IEC 62271-205	Compact switchgear assemblies for rated voltages above 52 kV	2008-1.0	22/06/2020
		IEC 62271-207	High-voltage switchgear and controlgear - Part 207: Seismic qualification for gas-insulated switchgear assemblies, metal enclosed and solid-insulation enclosed switchgear for rated voltages above 1 kV	2023-3.0	09/11/2023
		IEC 62271-213	High-voltage switchgear and controlgear - Part 213: Voltage detecting and indicating system	2021-1.0	09/01/2023
		IEC 62271-300	High-voltage switchgear and controlgear - Part 300: Seismic qualification of alternating current circuit-breaker	2006-1.0	28/01/2025
		IEC TS 62271-304	High-voltage switchgear and controlgear - Part 304: Design classes for indoor enclosed switchgear and controlgear for rated voltages above 1 kV up to and including 52 kV related to the use in special service conditions with respect to condensation and pollution	2019-2.0	22/06/2020
		16965 (ESB)	Portable Earthing and Short-Circuiting Devices	2019-5.0	04/12/2020
		DNN-ET-205 (ENEL)	Equipos de protección y manobra de media tensión 20kV - Para interior	2018-02	04/12/2020
		DJ1123A (ENEL)	Calotte in materiale organico per isolatori passanti DJ1123	2020-00	26/02/2021
		DY5 (ENEL)	Interruttori tripolari in esafluoruro di zolfo 145-170 kV per cabine primarie	2007-03	04/12/2020
		DY0074A (ENEL)	Cabine primarie Impianti di potenza MT Sezione Y-Apparecchiature	2005-2	22/06/2020
		DY106 (ENEL)	Moduli ibridi xxxxxxx	2009-3	22/06/2020
		DY500 (ENEL)	Interruttori di manovra-sezionatori e sez. di terra di media tensione per interno isolati in aria	1999-02	13/01/2025
		DY501 (ENEL)	Interruttori tripolari estraibili a tensione nominale 17,5 e 24 kV	1987-02	26/02/2021
		DY505 (ENEL)	Interruttori MT tripolari in vuoto estraibili a traslazione verticale Vn=17,5 e 24 kV per quadro compatto isolato in aria	2007-09	26/02/2021
		DY515 (ENEL)	Interruttore di manovra sezionatore motorizzato per interno a 24kV con comando 24Vcc a superamento di punto morto per cabine in elevazione	1999-01	13/01/2025
		DY516 (ENEL)	Interruttori di manovra-sezionatori e sez. di terra di media tensione con fusibili per interno isolati in aria	1999-01	13/01/2025
		DY525 (ENEL)	Interruttori tripolari con tensione nominale di 24kV per scomparti MT a giorno	2018-00	04/12/2020
		DY561 (ENEL)	Cartucce per fusibili di media tensione per interno	2000-02	04/12/2020
		DY734 (ENEL)	Cabine primarie - Carrelli trasformatori di tensione estraibili a traslazione verticale per interno per quadro 24 kV compatto isolato in aria	2007-04	29/11/2021
DY735 (ENEL)	Cabine primarie Carrello di messa a terra del sistema di sbarre per quadro 24kV compatto isolato in aria	2012-02	29/11/2021		
DY800 (ENEL)	Apparecchiature prefabbricate 24 kV con involucro metallico a tenuta d'arco interno con interruttore (ICS)	2015-4	22/06/2020		
DY803 (ENEL)	Apparecchiature prefabbricate 24 kV con involucro metallico a tenuta d'arco interno con IMS isolato in SF6 per cabine secondarie	2014-6	22/06/2020		
DY808 (ENEL)	Cabine secondarie. Apparecchiature prefabbricate con involucro metallico isolante in SF6 quadro di trasformatori di misura utente MT	2012-3	22/06/2020		
DY900 (ENEL)	Apparecchiature prefabbricate 24 kV con involucro metallico isolate in esafluoruro di zolfo (SF6) con interruttore	2012-2	22/06/2020		
DY907 (ENEL)	Apparecchiature prefabbricate 24 kV con involucro metallico a tenuta d'arco interno con TV autoprotetto per cabine secondarie	2019-2	30/05/2021		

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Tech. Comm.	Product/ Method	Reference	Title	year-last revision	Entry date
		DY1000 (ENEL)	Prescrizione per il collaudo di interruttori di manovra-sezionatori di media tensione per interno isolati in aria e in contenitori isolati in SF6 per quadri per cabine secondarie e apparecchi da palo	2002-02	04/12/2020
		DY1050 (ENEL)	Prescrizioni per la costruzione della motorizzazione alimentata a 24Vcc per cabina secondaria	2014-06	04/12/2020
		DY1100 (ENEL)	Prescrizione per il collaudo di apparecchiature prefabbricate a 24 kV con involucro metallico per cabine secondarie	2002-1	22/06/2020
		DY1500 (ENEL)	Prescrizione per la costruzione di interruttori di manovra-sezionatori di media tensione per interno isolati in aria	1999-01	13/01/2025
		DY1501 (ENEL)	Prescrizioni per il collaudo di interruttori 24 kV di tipo estraibile per impianti primari	2010-06	04/12/2020
		DY1502 (ENEL)	Cabine primarie Prescrizioni per la costruzione di interruttori tripolari estraibili a tensione nominale 17,5 e 24 Kv	1985-01	01/04/2022
		DY1517 (ENEL)	Prescrizioni per il collaudo delle cartucce per fusibili di media tensione	2000-02	04/12/2020
		DY3025 (ENEL)	Prescrizioni per il collaudo armadio rack contenitore di cassette per cabina secondaria	2012-01	28/03/2022
		E-MT-004 (LATAM)	Reconectores de distribución aereos	2013-3.1	04/12/2020
		E-MT-023 (LATAM)	Celdas de distribución secundaria	2013-3.2	23/04/2021
		E-SE-008 (ENDESA)	Especificación técnica: Celdas de media tensión para subestaciones de potencia	2020-6.1	27/09/2021
		PIFR20100C20650 (TERNA)	AC Yard Disconnectors Equipment Specification	2024-06	03/09/2024
		PIFR20100C37533 (TERNA)	AC Yard – Disconnectors - Inspection and Test Plan (ITP)	2024-01	03/09/2024
		FND008 (ENEL)	Celda MT para alimentación de servicios auxiliares	2021-01	24/10/2022
		FT-050_MAT (ENEL)	Sigurante fuzibile de medie tensiune de interior si exterior	2018-04	04/12/2020
		GSCH001 (ENEL)	HV Circuit-breakers	2021-11	24/03/2023
		GSCH002 (ENEL)	Hybrid modules	2020-06	14/07/2023
		GSCH003 (ENEL)	Hv disconnectors with rated voltage 72,5kV to 245 kV	2023-05	27/11/2024
		GSCH002 (ENEL)	Hybrid modules	2019-3	22/06/2020
		GSCH006 (ENEL)	Shielded single or double busbar equipment with sulphur hexafluoride insulation (SF6) of 72,5-145-170-245 kV	2021-05	16/11/2022
		GSCM002 (ENEL)	MV Pole mounted circuit-breaker	2018-01	11/03/2022
		GSCM003 (ENEL)	MV Pole mounted switch-disconnectors	2016-0	22/06/2020
		GSCM004 (ENEL)	MV RMU	2019-00	04/12/2020
		GSCM005 (ENEL)	Extractable, Vertical Translation, Three-Pole, Vacuum Circuit Breaker, Ur=24kV for air insulated "Compact" Switchgear Family	2022-03	01/03/2023
		GSCM009 (ENEL)	MV AIS with withdrawable MV Circuit Breaker for HV/MV and MV/MV substatio	2022-01	01/10/2024
		GSCM690 (ENEL)	Family of AIS "compact" enel type, technical specifications collection	2022-02	02/11/2022
		GSCM770 (ENEL)	MV Section for HV-MV Substation in container solution	2022-02	01/10/2024
		GSH001 (ENEL)	HV Circuit-breakers	2017-02	04/12/2020
		GSH003 (ENEL)	HV Disconnectors and earthing switches with rated voltage from 72,5 kV to 245 kV	2019-03	04/12/2020
		GSM001 (ENEL)	MV RMU with switch-disconnector	2020-01	22/06/2020
		GSM003 (ENEL)	MV Pole Mounted Switch-Disconnectors	2014-	22/06/2020
		IEEE 693	IEEE Recommended Practice for Seismic - Design of Substations	2018	22/02/2021
		INGGIS001 (TERNA)	Apparecchiature prefabbricate con involucro metallico isolate con gas SF6 per tensioni nominali uguali o superiori a 72,5kV	2018-3	22/06/2020
		INGINT0001 (TERNA)	Interruttori ad alta tensione per tensioni nominali uguali o superiori a 72,5 kV	2017-05	04/12/2020
		INSAS01 (TERNA)	Sezionatori e sezionatori di terra per tensioni nominali uguali o superiori a 72,5 kV	2019-6	22/06/2020
		INS AP S 01 (TERNA)	Apparecchiatura prefabbricata con involucro metallico con livello di isolamento nominale 40,5 kV	2022-00	14/09/2022
		SND 014 (ENDESA)	Equipo blindado de simple y doble barra con aislamiento en hexafluoruro de azufre (SF6) hasta 36 kV	2016-04	04/12/2020
		SNE 032 (ENDESA)	EQUIPO BLINDADO AISLADO CON SF6 CONFIGURACIÓN DE DOBLE BARRA O INTERRUPTOR Y MEDIO DE 55-66 Kv	2011-06	03/05/2021
		EN 50178	Electronic equipment for use in power installations	1997	22/06/2020
		IEC 60146-1-1	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specification of basic requirements	2024-5.0	03/05/2024
		IEC 60146-2	Semiconductor converters - Part 2: Self-commutated semiconductor converters including direct d.c. converters	1999-2.0	22/06/2020
		IEC 61557-12	Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures. Part 12: Performance measuring and monitoring devices (PMD)	2021-2.1	21/05/2021
		IEC 61800	Adjustable speed electrical power drive systems	2020	22/06/2020
		IEC 62040-1	Uninterruptible power systems (UPS) - Part 1: General and safety requirements for UPS	2022-2.2	29/11/2022
		IEC 62040-2	Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements	2016-3.0	22/06/2020
		IEC 62040-3	Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements	2021-3.0	31/12/2021
		IEC 62040-4	Uninterruptible power systems (UPS) - Part 4: Environmental aspects - Requirements and reporting	2013-1.0	22/06/2020
		IEC 62477-1	Safety requirements for power electronic converter systems and equipment - Part 1: General	2022-2.0	31/12/2022
		IEC 62477-2	Safety requirements for power electronic converter systems and equipment – Part 2: Power electronic converters from 1 000 V AC or 1 500 V DC up to 36 kV AC or 54 kV DC	2018-1.0	16/06/2023
		RSPT15-0080STS-PAC (TERNA)	CONVERTITORE 110-132 Vcc	2016-0	22/06/2020
		SRI INVTLC 01 (TERNA)	Inverter per apparati TLC da 3kVA	2020-01	04/12/2020
		EN 50085-1	Cable trunking systems and cable ducting systems for electrical installation: General requirements	2005	22/06/2020
		IEC 60309-1	Plug,socket-outlets and couplers for industrial purposes - Part 1: General requirements	2021-5.0	31/12/2021
		IEC 60309-2	Plug,socket-outlets and couplers for industrial purposes - Part 2: Dimensional interchangeability requirements for top pin and contact-tube accessories.	2021-5.0	31/12/2021
		IEC 60669-1	Switches for household and similar fixed-electrical installations - Part 1: General requirements	2017-4.0	22/06/2020
		IEC 60669-2-1	Switches for household and similar fixed-electrical installations - Part 2: Electronic switches	2021-5.0	31/12/2021
		IEC 60755	General requirements for residual current operated protective devices	2017-1.0	22/06/2020
		IEC 60898	Electrical accessories-Circuit-breakers for overcurrent protectio for household and similar installations Part 1:Circuitbreakers for a.c. operation	2019	22/06/2020
		IEC 61008-1	Residual current operated circuit-breakers without integral overcurrent protection for household and similar use (RCCB's) - Part 1: General rules	2013-3.2	22/06/2020
		IEC 61008-2-1	Residual current operated circuit-brakers without integral overcurrent protection for household similar use (RCCB's) – Part 2-1: Applicability of the general rules to RCCB's functionally independent of line voltage	1990-1.0	22/06/2020
		IEC 61008-2-2	Residual current operated circuit-breakers without integral overcurrent protection for household and similar use (RCCB's) - Part 2-2:Applicsibility of the general rules to RCCB's functionally dependent of line voltage	1990-1.0	22/06/2020
		IEC 61009-1	Residual current operated circuit-breakers with integral overcurrent protection for household and similar use (RCBO's) – Part 1: General rules	2013-3.2	22/06/2020

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<i>Tech. Comm.</i>	<i>Product/ Method</i>	<i>Reference</i>	<i>Title</i>	<i>year-last revision</i>	<i>Entry date</i>
		IEC 61009-2-1	Residual current operated circuit-breakers with integral overcurrent protection for household and similar use (RCBO's) – Part 2-1: Applicability of general rules to RCBO's functionally independent of line voltage	1991-1.0	22/06/2020
		IEC 61009-2-2	Residual current operated circuit-breakers with integral overcurrent protection for household and similar use (RCBO's) – Part 2-2: Applicability of general rules to RCBO's functionally dependent of line voltage	1991-1.0	22/06/2020
		IEC 61210	Connecting devices - Flat quick-connect terminations for electrical copper conductors - Safety requirements	2010-2.0	22/06/2020
		IEC 61386-1	Conduit systems for cable management - Part 1: General requirements	2017-2.1	22/06/2020
		IEC 61386-21	Conduit systems for cable management - Part 21: Particular requirements - Rigid conduit systems	2021-2.0	31/12/2021
		IEC 61386-22	Conduit systems for cable management - Part 22: Particular requirements - Pliable conduit systems	2021-2.0	31/12/2021
		IEC 61386-23	Conduit systems for cable management - Part 23: Particular requirements - Flexible conduit systems	2021-2.0	31/12/2021
		IEC 61386-24	Conduit systems for cable management - Part 24: Particular requirements - Conduit systems buried underground	2004-3.0	22/06/2020
32	Fuses	IEC 62019	Electrical accessories circuit-breakers and similar equipment for household use - Auxiliary contact units	2003-1.1	22/06/2020
		IEC 60127	Miniature fuses	2018	22/06/2020
		IEC 60269-1	Low-voltage fuses - Part 1: General requirements	2014-4.2	22/06/2020
		IEC 60269-2	Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons	2016-5.1	22/06/2020
		IEC 60269-3	Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons	2019-4.2	22/06/2020
		IEC 60269-4	Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices	2016-5.2	22/06/2020
		IEC 60282-1	High-voltage fuses-Part 1: Current-limiting fuses	2020-8.0	22/06/2020
		IEC 60282-2	High-voltage fuses-Part 2: Expulsion fuses	2008-3.0	22/06/2020
		IEC 60644	Specification for high-voltage fuse-links for motor circuit applications	2019-2.1	22/06/2020
		GSCL004 (ENEL)	Low voltage fuses (NH Knife Blade Fuse System)	2016-0	22/06/2020
33	Power capacitor	IEC 60358	Coupling capacitors and capacitor dividers	2018	22/06/2020
		IEC 60831-1	Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1 000 V	2014-3.0	22/06/2020
		IEC 60831-2	Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1 000 V - Part 2: Ageing test, self-healing test and destruction test	2014-3.0	22/06/2020
		IEC 60871	Shunt capacitors for a.c. power systems having a rated voltage above 1 000 V	2014-4.0	22/06/2020
36	Insulator	E-SE-011 (ENDESA)	Especificacion tecnica: aisladores de porcelana, vidrio y polimericos para subestaciones de poder	2008-0	31/03/2023
		EN 50180-1	Bushings above 1 kV up to 52 kV and from 250 A to 3,15 kA for liquid filled transformers - Part 1: General requirements for bushings	2015	22/06/2020
		EN 50181	Bushings above 1kV up to 36kV and from 250A to 1250A for equipment other than liquid filled transformers	2010	22/06/2020
		EN 50243	Outdoor bushings for 24kV and 36kV ,5kA and 8kA for liquid filled transformers	2022	22/06/2022
		EN 50386	Bushings up to 1 kV and from 250A up to 5000A for liquid filled transformers	2010	22/06/2020
		EN 50387	Busbar bushings up to 1kV and from 1,25kA to 5kA for liquid filled transformers	2002	22/06/2020
		GSCC010 (ENEL)	Composite insulators for medium voltage lines	2019-02	28/05/2024
		IEC 60137	Insulated bushings for alternating voltages above 1kV	2017-7.0	22/06/2020
		IEC 60168	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltage greater than 1000V	2001-4.2	22/06/2020
		IEC 60273	Characteristic of indoor and outdoor post insulators for systems with nominal voltages greater than 1000 V	1990-3.0	22/06/2020
		IEC 60383-1	Insulators for overhead lines with a nominal voltage above 1000 V - Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria	2023-5.0	07/07/2023
		IEC 60383-2	Insulators for overhead lines with a nominal voltage above 1000 V - Part 2: Insulator strings and insulator sets for a.c. systems - Definitions,	1993-1.0	22/06/2020
		IEC 60660	Insulators – Tests on indoor post insulators of organic material for systems with nominal voltages greater than 1000 V up to but not including 300 kV	1999-2.0	02/01/2024
		IEC 61109	Insulators for overhead lines - Composite suspension and tension insulators for a.c. systems with a nominal voltage greater than 1 000 V - Definitions, test methods and acceptance criteria	2008-2.0	22/06/2020
		IEC 61462	Composite hollow insulators - Pressurized and unpressurized insulators for use in electrical equipment with rated voltage greater than 1 000 V - Definitions, test methods, acceptance criteria and design recommendations	2023-2.0	06/09/2023
		IEC 61466-1	Composite string insulator units for overhead lines with a nominal voltage greater than 1 000 V - Part 1: Standard strength and end fittings	2016-2.0	22/06/2020
		IEC 61466-2	Composite string insulator units for overhead lines with a nominal voltage greater than 1 000 V - Part 2: Dimensional and electrical	2018-1.2	22/06/2020
		IEC 61952	Insulators for overhead lines - Composite line post insulators for A.C. systems with a nominal voltage greater than 1 000 V - Definitions, test	2008-2.0	22/06/2020
		IEC 62231	Composite station post insulators for substations with a.c. voltages greater than 1 000 V up to 245 kV - Definitions, test methods and acceptance criteria	2006-1.0	22/06/2020
		INSCIS01 (TERNA)	Isolatori portanti e di manovra	2021-4	31/12/2021
PI35421A_C00007 (TERNA)	Post insulators J02/3 (SAP 1004138) Additional voltage tests to verify installation suitability	2023-01	23/08/2023		
LIN_0000J18 (TERNA)	Funi ottiche - Parte generale isolatore rigido per la discesa isolata della fune di guardia con fibre ottiche	2015-1	22/06/2020		
LIN_0000J21 (TERNA)	Linee 380 kV Isolatori a bastone in porcellana per mensole isolanti	2012-0	22/06/2020		
37	Surge arresters	IEC 60099-4	Surge arresters: – Part 4 Metal oxide surge arresters without gaps for a.c. systems	2014-3.0	22/06/2020
		IEC 60099-5	Surge arresters: – Part 5 Selection and application recommendation	2018-3.0	22/06/2020
		INSAZ501	Scaricatori ad ossido metallico privi di spinterometri per stazioni elettriche AT	2021-05	13/01/2025
38	Instruments transformers	IEC 60044-7	Instruments transformers - Part 7: Electronic voltage transformers	1999-1.0	22/06/2020
		IEC 60044-8	Instruments transformers - Part 8: Electronic current transformers	2002-1.0	22/06/2020
		IEC 61869-1	Instrument transformers - Part 1: General requirements	2023-2.0	14/06/2023
		IEC 61869-2	Instrument transformers - Part 2: Additional requirements for current transformers	2012-1.0	22/06/2020
		IEC 61869-3	Instrument transformers - Part 3: Additional requirements for inductive voltage transformers	2011-1.0	22/06/2020
		IEC 61869-4	Instrument transformers - Part 4: Additional requirements for combined transformers	2013-1.0	22/06/2020
		IEC 61869-5	Instrument transformers - Part 5: Additional requirements for capacitor voltage transformers	2011-1.0	22/06/2020
		IEC 61869-10	Instrument transformers - Part 10: Additional requirements for low-power passive current transformers	2017-1.0	22/06/2020
		IEC 61869-11	Instrument transformers - Part 11: Additional requirements for low power passive voltage transformers	2017-1.0	22/06/2020
		IEC 61869-15	Additional requirements for voltage transformers for DC applications	2018-1.0	06/08/2021
		DY34 (ENEL)	Trasformatori di corrente 145 KV per cabine primarie	2003-04	08/06/2023
		DY35 (ENEL)	Trasformatori di corrente 170 KV per cabine primarie	2003-04	08/06/2023
		GSCT003 (ENEL)	Self-protected voltage transformers Um 24 kV – Um 36 kV	2016-02	29/10/2021
		GSCT005 (ENEL)	Technical characteristics of LPITs for RGDIM/RGDAT	2019-02	06/10/2021
		INSAAS01 (TERNA)	Trasformatori di corrente ad alta tensione ad affidabilità incrementata	2019-5	22/06/2020

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Comit. Tecn.	Prodotto/ Metodo	Sigla	Titolo	Anno-ultima edizione	Data di inserimento
<i>Tech. Comm.</i>	<i>Product/ Method</i>	<i>Reference</i>	<i>Title</i>	<i>year-last revision</i>	<i>Entry date</i>
		INSAV03 (TERNA)	Trasformatori induttivi di potenza TIP - Isolamento interno in SF6 ed esterno in composito	2011-04	24/11/2020
		RQUPTA001 (ENEL)	Trasformatori di corrente ad alta tensione	2003-01	09/01/2023
57	Power systems management	IEC 60353	Line traps for a.c. power systems	1989-2.0	22/06/2020
65	Industrial-process measurement and control	IEC 61131-1	Programmable controllers – Part 1: General informations	2003-2.0	22/06/2020
		IEC 61131-2	Programmable controllers – Part 2: Equipment requirements and tests	2017-4.0	22/06/2020
		IEC 61326-1	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements	2020-3.0	17/11/2023
		IEC 61326-3-1	Apparecchi elettrici di misura, controllo e laboratorio - Prescrizioni di compatibilità elettromagnetica Parte 3-1: Prescrizioni di immunità per sistemi di sicurezza e per apparecchiature destinate ad eseguire funzioni di sicurezza (sicurezza funzionale) - Applicazioni industriali generali	2017-2.0	29/02/2024
		ETSI EN 301489-1	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	2008-04	29/02/2024
		ETSI EN 301489-17	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems	2012-09	29/02/2024
69	Electric road vehicles and electric industrial trucks	IEC 61851-1	Electric vehicle conductive charging system - Part 1: General requirements	2017-3.0	22/06/2020
		IEC 61851-21	Electric vehicle conductive charging system - Part 21: Electric vehicle requirements for conductive connection to an a.c./d.c. supply	2020	22/06/2020
		IEC 61851-23	Electric vehicle conductive charging system - Part 23: DC electric vehicle charging station	2023-2.0	13/12/2023
		IEC 61851-24	Electric vehicle conductive charging system - Part 24: Digital communication between a d.c. EV charging station and an electric vehicle for control of d.c. charging	2023-2.0	13/12/2023
70	Degree of protection by enclosures	IEC 60529	Degree of protection provided by enclosures (IP Code)	2013-2.2	22/06/2020
72	Automatic electrical controls	IEC 60730	Automatic electrical controls	2019	22/06/2020
77	Electromagnetic compatibility	IEC 61000-6-1	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments	2016	20/06/2024
		IEC 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments	2016	20/06/2024
		IEC 61000-6-3	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments	2020	20/06/2024
		IEC 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	2018	20/06/2024
78	Live working	CEI EN 50508	Aste isolanti multiuso per operazioni elettriche su installazioni di alta tensione	2009-1.0	17/09/2021
		IEC 60832-1	Insulating sticks and attachable devices – Part 1: Insulating sticks	2010-1.0	22/06/2020
		IEC 60832-2	Insulating sticks and attachable devices – Part 2: Attachable devices	2010-1.0	22/06/2020
		IEC 60855-1	Insulating foam-filled tubes and solid rods - Part 1: Tubes and rods of a circular cross-section	2016-2.0	22/06/2020
		IEC 60900	Lavori sotto tensione - Attrezzi manuali per tensioni fino a 1000 V in corrente alternata e 1500 V in corrente continua	2018-4.0	22/06/2020
		IEC 60984	Sleeves of insulating material for live working	2014-2.0	22/06/2020
		IEC 61111	Electrical insulating matting	2009-2.0	22/06/2020
		IEC 61219	Earthing or earthing and short-circuit equipment using lances as a short-circuiting device Lance earthing	1993-1.0	22/06/2020
		IEC 61229	Rigid protective covers for live working on a.c. installations	2002-2.2	22/06/2020
		IEC 61230	Portable equipment for earthing or earthing and short-circuiting	2008-2.0	22/06/2020
		IEC 61235	Insulating hollow tubes for electrical purposes	1993-1.0	22/06/2020
		IEC 61243-1	Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding	2021-3.0	31/12/2021
		IEC 61243-6	Guidelines on non-contact voltage detectors (NCVD) for use at nominal voltages above 1 kV AC	2017-1.0	22/06/2020
		DY1811 (ENEL)	Quadri 24 kV isolati in SF6. Prescrizioni per la costruzione dei rilevatori di presenza/assenza tensione	1994-01	22/08/2021
		EA0127 (ENEL)	Dispositivo di messa a terra ed in corto circuito di cavi BT in corrispondenza di punti fissi predisposti	2012-04	17/11/2023
		EA0320 (ENEL)	Dispositivi componibili per la messa in sicurezza degli impianti MT/BT in conduttori nudi, in cavo e in cabine secondarie	2020-01	14/02/2022
		EA0480 (ENEL)	Dispositivi mobili per la messa a terra e in c.t.o. di elementi di impianto AT ed MT in conduttori nudi di Cabina Primaria	2021-03	21/04/2021
				RSXPDPTE03 (TERNA)	Dispositivo di equipotenzialità
		RS_XP002 (TERNA)	Dispositivo per l'indicazione di presenza di tensione con rilievo del campo elettrico	2018-03	22/02/2021
82	Solar photovoltaic energy systems	IEC 62109-1	Safety of power converters for use in photovoltaic power systems - Part 1: General requirements	2010-1.0	22/06/2020
		IEC 62109-2	Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters	2011-1.0	22/06/2020
94/95	All-or-nothing electrical relays / Measuring relays and protection equipment	IEC 60255	Measuring relays and protection equipment	2018	22/06/2020
		IEC 60255-12	Electrical relays - Part 12: Directional relays and power relays with two input energizing quantities	1980-1.0	22/06/2020
		IEC 60255-13	Electrical relays - Part 13: Biased (percentage) differential relays	1980-1.0	22/06/2020
		IEC 60255-149	Measuring relays and protection equipment - Part 149: Functional requirements for thermal electrical relays	2013-1.0	22/06/2020
		IEC 60255-27	Measuring relays and protection equipment - Part 27: Product safety requirements	2023-3.0	07/02/2023
		IEC 61811-1	Electromechanical telecom elementary relays of assessed quality - Part 1: Generic specification and blank detail specification	2015-2.0	22/06/2020
		IEC 61812-1	Time relays for industrial and residential use - Part 1: Requirements and tests	2023-3.0	08/06/2023
		IEC 62314	Solid-state relays	2022-2.0	13/07/2022
		GSTP001 (ENEL)	RGDAT-A70	2016-1	22/06/2020
96	Small transformers, reactors and power supply units and special transformers, reactors and power supply units: safety requirements	IEC 61558-1	Safety of power transformers, power supply units and similar – Part 1: General requirements and tests	2017-3.0	22/06/2020
		IEC 61558-2-1	Safety of power transformers, power supplies, reactors and similar products - Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications transformers and power supply units incorporating isolating transformers	2021-3.0	31/12/2021
		IEC 61558-2-4	Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V - Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers	2021-3.0	31/12/2021
104	Environmental condition, classification and methods of test requirements	IEC 60068-2-6	Environmental testing – Part 2: Test FC Vibration (sinusoidal)	2007-7.0	22/06/2020
		DJ1203 (ENEL)	Prescrizioni per la prova di invecchiamento artificiale accelerato per la verifica della tenuta in atmosfera umida di componenti in materiale organico di tipo omogeneo per interno	1997-01	04/12/2020
		IEC 60947-1	Low voltage switchgear and controlgear - Part 1: General rules	2020-6.0	22/06/2020
		IEC 60947-2	Low voltage switchgear and controlgear - Part 2: Circuit breakers	2024-6.0	28/01/2025
		IEC 60947-3	Low voltage switchgear and controlgear - Part 3: Switch disconnectors, switch disconnectors and Fuse-combination units	2020-4.0	22/06/2020

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Tech. Comm.	Product/ Method	Reference	Title	year-last revision	Entry date
121	Switchgear and controlgear and their assemblies for low voltage	IEC 60947-4-1	Low voltage switchgear and controlgear - Part 4: Contactors and motor-starters-Section 1- Elettrotechnical contactors and motor-starters	2023-5.0	08/11/2023
		IEC 60947-4-2	Low voltage switchgear and controlgear - Part 4: Contactors and motor-starters-Section 2- AC semiconductor motor controllers and starters	2020-4.0	22/06/2020
		IEC 60947-4-3	Low voltage switchgear and controlgear - Part 4-3: AC semiconductor starters for non-motor loads	2020-3.0	22/06/2020
		IEC 60947-5-1	Low voltage switchgear and controlgear - Part 5: Control circuit devices and switching elements - Section 1: Elettromechanical control circuit devices	2024-5.0	03/05/2024
		IEC 60947-5-2	Low voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches	2019-4.0	22/06/2020
		IEC 60947-5-3	Low voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions	2013-2.0	22/06/2020
		IEC 60947-5-5	Low voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching devices -Electrical emergency stop device with mechanical latching function	2016-1.2	22/06/2020
		IEC 60947-5-6	Low-voltage switchgear and controlgear - Part 5-6: Control circuit devices and switching elements - DC interface for proximity sensors and switching amplifiers (NAMUR)	1999-1.0	22/06/2020
		IEC 60947-5-8	Low-voltage switchgear and controlgear - Part 5-8: Control circuit devices and switching elements - Three-position enabling switches	2020-2.0	22/06/2020
		IEC 60947-5-9	Low-voltage switchgear and controlgear - Part 5-9: Control circuit devices and switching elements - Flow rate switches	2006-1.0	22/06/2020
		IEC 60947-6-1	Low voltage switchgear and controlgear - Part 6-1: Multiple function equipment-Section 1: Automatic transfer switching equipment	2021-3.0	31/12/2021
		IEC 60947-6-2	Low voltage switchgear and controlgear - Part 6-2: Multiple function equipment-Section 2: Control and protective switching device (CPS)	2020-3.0	22/06/2020
		IEC 60947-7-1	Low voltage switchgear and controlgear - Part 7-1: Ancillary equipment-Section 1:Terminal blocks for copper conductors	2009-3.0	22/06/2020
		IEC 60947-7-2	Low voltage switchgear and controlgear - Part 7-2: Ancillary equipment-Section 2:Protective conductor terminal blocks for copper conductors	2009-3.0	22/06/2020
		IEC 60947-7-3	Low voltage switchgear and controlgear - Part 7-3: Ancillary equipment-Section 7-3:Safety Requirements for fuse terminal blocks	2009-2.0	22/06/2020
		IEC 60947-7-4	Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment-PCB terminal blocks for copper conductors	2019-2.0	22/06/2020
		IEC 61095	Elettromechanical contactors for household and similar purposes	2023-3.0	12/10/2023
		IEC 61439-1	Low-voltage switchgear and controlgear assemblies– Part 1: General rules	2020-3.0	22/06/2020
		IEC 61439-2	Low-voltage switchgear and controlgear assemblies– Part 2: Power switchgear and controlgear assemblies	2020-3.0	22/06/2020
		IEC 61439-3	Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	2024-2.0	03/05/2024
		IEC 61439-4	Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS)	2023-2.0	17/10/2023
		IEC 61439-5	Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public network	2023-3.0	05/04/2023
		IEC 61439-6	Low-voltage switchgear and controlgear assemblies – Part 6: Busbar trunking systems (busways)	2012-1.0	22/06/2020
		IEC 61439-7	Low-voltage switchgear and controlgear assemblies - Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicles charging stations	2022-2.0	07/07/2022
		IEC 61641	Enclosed low-voltage switchgear and controlgear assemblies - Guide for testing under conditions of arcing due to internal fault	2014-3.0	22/06/2020
		IEC 62208	Empty enclosures for low-voltage switchgear and controlgear-General requirements	2023-3.0	01/06/2023
		DMIA000190 (ENEL)	Morsettiera BT per applicazioni Smart Grids di Monitoraggio, Telecontrollo e Automazione	2020-III	10/11/2021
		DS4533 (ENEL)	Prescrizioni funzionali, di costruzione e di collaudo del presenza tensione su interruttori BT per cabina secondaria	2012-09	17/03/2023
		DY818 (ENEL)	Prescrizioni funzionali, di costruzione e di collaudo del presenza tensione su interruttori BT per cabina secondaria	2016-04	04/12/2020
		DY1053 (ENEL)	Prescrizione funzionali, di costruzione e di collaudo degli interruttori BT	2016-02	10/11/2021
DY3102 (ENEL)	Interruttori tetrapolari automatici BT per cabine secondarie con corrente nominale 350A	2005-05	12/07/2023		
DY3501 (ENEL)	Prescrizioni per il collaudo di interruttori tetrapolari automatici con comando manuale per reti di distribuzione di bassa tensione	2012-06	04/12/2020		
GSCL003 (ENEL)	Automatic four-pole circuit-breakers with 40 A ÷ 630 A rated current for secondary substations	2016-00	04/12/2020		
GSCL003A (ENEL)	Automatic four-pole circuit-breakers with 40 A ÷ 630 A rated current for secondary substations	2020-06	22/11/2021		
RSPT19-0011 (TERNA)	Specifica tecnica unificazione BT TY 200	2020-01	14/07/2023		
RSPT19-0014 (TERNA)	Specifica tecnica unificazione BT TY 300	2020-01	14/07/2023		
316	Connessione alle reti elettriche di distribuzione Alta, Media e Bassa tensione	CEI 0-16	Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti AT e MT delle imprese distributrici di energia elettrica	2022-03	01/04/2022
		CEI 0-21	Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti BT delle imprese distributrici di energia elettrica	2022-03	01/04/2022
		SHAMS DUBAY (DEWA)	Standars for distributed renewable resources generators connected to the distribution network	2016-2	22/06/2020
		Saudi Electricity Company (SEC)	Sustainable Integration of Renewable Energy Sources (Solar PV) with SEC Distribution Network Low Voltage and Medium Voltage. Technical Standards for the Connection of small-scale solar PV systems to the LV and MV Distribution Networks of SEC	2.5	22/06/2020

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