



STANDARDS ASSOCIATION OF ZIMBABWE

STANDARDS RELEVANT TO THE ELECTRICAL INDUSTRY

Standard number	Title	Relationship
SAZS 109:1995	Winding wires Part 1: Polyurethane base with solderable pro	Based on BS 6811:Part 1 Sec. 1.1, Part 3 Sec. 3.1 and BS EN 60182 Part 2
SAZS 120:1999	Hardwood poles and cross-arms for electric power and telephone lines	Based on SABS 754
SAZS 121:1989	Two-pole and earthing-pin plugs socket-outlets and socket-outlet adaptors for circuits up to 250 volts	
SAZS 122:19991	General purpose fuse links for domestic and similar purpose (primarily for use in plugs)	Based on BS 1362:1973
SAZS 127:1978	Ballasts for fluorescent lamps	Identical to SABS 890:1977
SAZS 129:1995	Safety of household and similar electrical appliances	Identical to IEC 335:Part 1:1991
SAZS 138:1975	Bitumen-based filling compounds for electrical purposes	Identical to BS 1858:1973
SAZS 147:1998	Switches for household and similar fixed electrical installations - General requirements	Based on BS 3676:Part 1:1996
SAZS 172:975	Ceramic insulators and pole fittings for telephone lines	
SAZS 178:1976	Low voltage insulators	Endorsement of SABS 161:1955
SAZS 179:1976	Cleats, bobbins and leading-in tubes	Endorsement of SABS 176:1955
SAZS 188:1976	Cable glands for elastomer and plastic insulated cables	Endorsement of BS 6121:1973
SAZS 191:1976	Current transformers	Based on BS 3938:1973
SAZS 205:1977	Electric cable soldering sockets	Endorsement of BS 91:1973
SAZS 206:1997	Snap-on connectors	Endorsement of BS 5057:1973
SAZS 212:1978	Primary cells and batteries	Based on SABS 180:1975
SAZS 240:1999	Electrical cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1900/3300 V)	Based on SABS 1507:1990 and IEC 60502:1994
SAZS 241:1979	Screwed metal conduit and fittings for electrical wiring	Endorsement of SABS 162:1978
SAZS 249:1980	Ballasts for low pressure sodium vapour and high intensity discharge lamps and reference ballasts for low pressure sodium vapour and high intensity discharge lamps	Endorsement of SABS 1266/1267:1979

Standard number	Title	Relationship
SAZS 273:1982	Electric luminaries	Endorsement of BS 4533:Part 101:1981
SAZS 274:1983	Single-phase inductions motors	Endorsement of SABS 1189:1978
SAZS 277:1993	Non-metallic conduit (Metric units)	
SAZS 278:1984	Collectors for solar water heaters	Based on SABS 1307
SAZS 290:1986	Electric luminaries: handlamps	Identical to BS 4533:Section 102.8:1982 and IEC 598:Part 2:Section 8:1981
SAZS 291:1986	Multi-cell dry batteries	
SAZS 316:1997	Graphical symbols for electrical diagrams	Based on IEC 617:Part 1 to 11
SAZS 322:1993	Photovoltaic modules	Based on CAN/CSA F380-M87
SAZS 354:1978	Fluorescent lamp ballasts	
SAZS 464:1995	Incandescent lamps	Based on SABS 56:1990
SAZS 522:1998	Batteries for use in photovoltaic systems	
SAZS 523:1999	Fluorescent lights for use in photovoltaic systems	
SAZS 524:1998	Charge controllers for photovoltaic systems using lead-acid batteries	
SAZS 526:1996	Copper for electrical purposes	Based on BS 1432:1987
SAZS 536:1998	Design, sizing and installation of battery based photovoltaic systems	
SAZS 555:1997	Cold pour resin compound and heat-shrink cable joints in the voltage range up to 1 000 V a.c and 1 500V d.c	
SAZS 556:1997	13 A plugs, socket-outlets, adaptors and connection units	Based on BS 1363:Part 1:1995
SAZS 680:1998	Materials of insulated electric cables and flexible cords	Based on SABS 1411:1996
SAZS 732:2001	Electrical cables - Flexible cords and flexible cables	Based on SABS 1574:1992
SAZS C9: 1968	Distribution miniature circuit-breaker boards for low and medium voltages.	
SAZS C14: 1971	Tubular steel poles	
SAZS C15: 1972	Enamelled copper conductors (polyvinyl acetal base with high mechanical properties)	Endorsement of BS 4516:Part 1:1969

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SAZS C17: 1971	Three-phase induction motors	Endorsement of SABS 948:1969
SAZS IEC 432:1995	Safety specifications for incandescent lamps	Identical to IEC 432:Part 1:1993
SAZS IEC 439:1996/1998	Low-voltage switchgear and controlgear assemblies	Identical to IEC 439:Part 1:1982
SAZS IEC 76:1998	Power transformers	Identical to IEC 76:Part 1:1993
SAZS IEC 947:1998	Low-voltage switchgear and controlgear	Identical to IEC 947:Part 1:1996
SAZS ISO 9459:1999	Solar heating – Domestic water heating systems	Identical to ISO 9459:Part 2:1995

NOTE:

SABS	South African Bureau of Standards
BS	British Standards
IEC	International Electrotechnical Commission
CAN	Canada
ISO	International Organization for Standardization