

DIN EN ISO 13297:2021-07 (E)

Small craft - Electrical systems - Alternating and direct current installations (ISO 13297:2020)

Contents	Page
European foreword.....	4
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of Directive 2013/53/EU aimed to be covered.....	5
Foreword	6
1 Scope.....	7
2 Normative references.....	7
3 Terms and definitions	7
4 General requirements, DC and AC systems.....	11
5 General requirements, DC systems.....	12
6 General requirements, AC systems.....	13
7 Marking, AC systems	14
8 Batteries, DC systems.....	15
9 Battery-disconnect switch, DC systems.....	17
10 Power source options, AC systems.....	17
11 Inverters and inverter/chargers, AC systems.....	18
12 Overcurrent protection, DC systems.....	19
13 Overcurrent protection, AC systems	20
13.1 General.....	20
13.2 Supply circuits.....	20
13.3 Branch circuits	20
14 Ground-fault protection/earth-leakage protection, AC systems.....	21
15 Panel boards (switchboards), DC and AC systems	21
16 Panel boards (switchboards), AC systems	21
17 Conductors, DC and AC systems	21
18 Conductors, DC systems	22
19 Conductors, AC systems	22
20 System wiring, DC and AC systems.....	23
21 System wiring, DC systems	25
22 Socket outlets, DC systems.....	25
23 Socket outlets, AC systems	25
24 Appliances and equipment, AC systems.....	26
25 Ignition protection, DC and AC systems	26
26 Owner's manual.....	26

Annex A (normative) Conductor requirements.....	27
Annex B (normative) Instructions to be included with owner’s manual.....	29
Annex C (informative) Recommended system tests.....	30
Annex D (informative) Typical AC system diagrams	31
Annex E (informative) Overcurrent protection location options.....	38
Bibliography	40