

oceanis

The flexible solution

Switchboard solution IS 111 up to IS 333

Service Index description

Function

The Service Index (as per the UTE C63-429 guide) enables you to define your electrical equipment functionalities, depending on :

- your installation
- your maintenance's staff's skills

Soreel will define this Service Index with you in term of technical characteristics (form, condemnation, withdrawability index,...)

Withdrawability

The standard CEI 60439-1 replaced by CEI 61439-2 specifies by the combination of 3 letters the level of mobility of equipment or functional units UF.



- F : Fixed connections (point : 2.2.13.1)
- D : Disconnectable connections (point : 2.2.13.2)
- F : Withdrawable connections (point : 2.2.13.3)

Busbars Oceanis

- A progressive solution without maintenance
- Horizontal and vertical busbars are not pierced

The Oceanis system

A modular solution

Modularity in 3 dimensions
 All the sizes of the equipment are modular by multiple of 190 mm

An adaptable solution

This switchboard enables you to :

- Integrate any switchgear brand
- Integrate your equipment into a communicating network
- Connect your incomings from the top or from the bottom, by cables or busbars systems, your feeder accessible from the front or from the rear

The Oceanis sheetmetal

A solution adapted to your needs

- Using aluzinc coating (structure and separating sheet) allowing a good corrosion resistance
- Sustainable design
- EMC
- Earth-quake with standing



Technical data

General data

Application
 Electrical distribution
 Motor control
 IS (Service Index) from 111 up to 333
 Standards
 NF EN 60439-1
 NF EN 60529

Electrical data

Rated voltage (Ue) 690 Vac
 Insulation voltage (Ui) 1000 V
 Dielectric withstand voltage 3 kV
 Rated impulse withstand voltage (Uimp) 12 kV
 Overvoltage category IV
 Rated frequency (F)* 40-60 H

Horizontal busbars

Rated current (In) 250A - 8500A
 Rated short time withstand current (Icw) 1s Up to 130 kA/1s
 High rated peak withstand current (Ipk) Up to 300 kA

Vertical busbars

Rated current (In) 250A - 1600A
 Rated short time withstand current (Icw) 1s Up to 70 kA/1s
 High rated peak withstand current (Ipk) Up to 154 kA
 Earthing system TT-IT-TNS-TNC

* Other frequency upon request

Mechanical data

Cables incoming Top / Bottom
 Access Front / Rear
 Protection Index
 (non withdrawable or classic model) Up to PI54
 Protection Index (withdrawable model) Up to PI44
 IK 10

Sizes

Hight (Y≤12) 100mm + (Y x 190mm)
 Width X x 190mm
 Depth Z x 190mm

Cabinets

Structure Aluzinc
 Doors and panels Steel

Paint

Coating polyester powder 60μ à 80μ
 Doors and panels RAL7032*
 Base RAL9005*

* Other colors upon request

Solutions

Plug in functional units IS223

Plates Technical data
 Distribution : maximum current = 630A
 Feeder : maximum power = 250KW at 400V

Withdrawable functional units IS333

Drawers

Drawer IS333 technical characteristic
 Application : electrical distribution and motor
 feeders maximum current* = 630A* 40°

Mini drawers

Mini drawer IS333 technical data
 Distribution : maximum current 80A

Motor feeder : maximum power = 30KW at 400V

*On a cell of 3 modules (570 mm) wide
 and 12 modules (2280 mm) high :
 implementation possible of 30 mini
 drawers*

