FINELCOMP®

# E-NFS

## LOW VOLTAGE CELL CENTRE SYSTEMS

ELECTRIFYING YOUR BUSINESS

# LOW VOLTAGE CELL CENTRE SYSTEMS

E-NFS is a competetive structure for industrial use. The cell centre system is DNV-GL certified, so it is suitable for the most demanding applications.

E-NFS can be made one-sided or two-sided, and the variations include L- and U -shapes. One cell centre can have more than one busbar solution. The busbars can be installed at any height, either in the middle section, in the back or at the top of the center. The busbars can be made of either aluminium or copper.

Type-tested withdrawable or removable units have been designed for easy maintenance and replacement. The unit structure is compact, and comes equipped with ventilation and locking. Cables and connections are placed in their own seperate compartment.

## DIMENSIONS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Width | 200 | 300 | 450 | 600 | 750 | 900 | 1050 |
| Height | 1680 | 1820 | 1960 | 2100 | | | |
| Depth | 500 | 650 | 800 | 1000 | | | |
| Base | 50 | 100 | | | | | |

## ELECTRIC FEATURES

| Nominal voltage $U_n$ | Insulation voltage $U_i$ | Nominal current $I_n$ | Thermal short-circuit strength $I_{cw}$ | Dynamic short-circuit strength $I_{pk}$ | Nominal frequency f | Arc short-circuit strength |
|---|---|---|---|---|---|---|
| ≤ 690V | 1000V | ≤ 5000A | ≤ 100kA | ≤ 220kA | 50 – 60Hz | 50kA/0,3s (725V) |

## MECHANIC FEATURES

| Enclosure class | Impact strength (outer/inner) | Type of subdivision |
|---|---|---|
| ≤ IP55 | IK09/07 | 2, 3, 4 |

## MATERIALS

| Frame | Insulating flanges | Protective screens |
|---|---|---|
| hot galvanized sheet metal | PC | hot galvanized sheet metal |

## FINISH

Powder coating RAL7035

## STANDARDS

| | | | |
|---|---|---|---|
| EN 60529 | EN 62262 | IEC/EN 61439-1<br>IEC/EN 61439-2<br>IEC/EN 61439-3 | IEC/EN 62208 |


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