

# F SERIE



# IP20–IP55 enclosures and cell centres

The components of this most diverse system in the market can be assembled in numerous combinations, from small-scale electric outlet enclosures to L- and U-shaped industrial distribution boards.

F-series is available in two parallel versions: F and F NBS, which are nearly identical apart from the base structure. In the F NBS system, the side panels can be installed last after the cabinet has been furnished and cabled.

Most frame parts have been provided with pre-punched holes, which makes protective grounding easy. Doors are grounded through the frame structure via hinges and screws. Compartmentalization and depressurizing ceiling structure contribute to user safety in the event of a short-circuit.



Each enclosure and cell centre can be dimensioned carefully for their intended purpose.

## DIMENSIONS

WIDTH	300	450	600	750							
HEIGHT	140	280	420	560	700	840	980	1120	1400	1680	1960
DEPTH	80	160	250	320	510						
BASE	40	140									

## 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	≤ 1000A ≤ 3150A	≤ 21,6kA ≤ 60kA	≤ 42,6kA ≤ 132kA	50–60Hz	-

## MECHANIC FEATURES

Enclosure class	Impact strength (outer/inner)	Type of subdivision	Material strength of doors
IP20–IP55	IK09/07	2, 3, 4	1,4 mm

## MATERIALS

Frame	Insulating flanges	Protective screens
hot galvanized sheet metal	PC	hot galvanized sheet metal /

## FINISH

Powder coating RAL7035
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## STANDARDS

EN 60529	EN 62262	IEC/EN 61439-1 IEC/EN 61439-2 IEC/EN 61439-3	IEC/EN 62208
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