

Input switching device

- Connection to a three-phase power mains with a voltage of 380 V
- Distribution of power to three-phase and/or single-phase circuits
- Protection of circuits against overloads and short-circuit currents
- Power metering in three-phase and single-phase circuits
- Infrequent switching of output circuits

Purpose

Input switching device (ISD) provides protection against short circuits, overloads and leaks in power supply systems with rated voltages up to 380 V, frequency 50 Hz with dead-earthed neutral. Used for input, metering and distribution of power, for infrequent switching of electrical circuits.

ISD is assembled from the single-side maintenance sections in metal cabinets. ISD can consist of one or more floor-mounted cabinets. When connecting ISD to two independent power sources, it is possible to assemble ISD input panels with an automatic switch in one cabinet with a partition between the sections. ISD is assembled with automatic circuit breakers, meters and other equipment depending on the terms of reference.

Technical data

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| Rated current, I_n | from 16 to 630 A |
| Shock current, I_{kp} | up to 20 kA |
| Nominal three-phase voltage, U_n | 380 V |
| Rated frequency, f | 50 Hz |
| Protection class | IP31 - IP65 |
| Dimensions of a single section (height × width × depth), mm | 600–2000 × 450–800 × 220–450 |
| Design | Depending on the rated current and project requirements, floor-mounted, wall-mounted and integrated versions are available |



Ordering information

When placing an order, depending on its type, the customer should provide the following technical documentation:

1. Completed questionnaire in case of ordering to customer specifications. The design of the equipment usually is required.
2. Ordering standard items, please, indicate standard diagram numbers, enclosure types (wall-mounted/integrated/floor-mounted, housing material, IP protection), manufacturers of components, other technical parameters.
3. When ordering to custom design, design documentation is required: single-line or schematic diagram, specifications of components, drawings. When ordering control cabinets and automation devices, a control system diagram (functional diagram) is required.

To order, please, fill in questionnaire at p. 191.

Approvals

№ TC RU C-RU.PC52.B.00586

