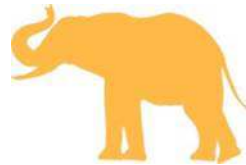


SPECIFICATION TEXT

ALUMINIUM ISOLSBARRA 630-5000 A



Power busbars

Subject: Busbar trunking system from 630 A up to 5000 A for the transport of the current

Dimensional characteristics variables

Pole for rated current in A

SPECIFICATIONS BINDING QUALITY

Busbar trunking system with aluminium conductor UNI EN 573/3 individually insulated inside a self-extinguishing insulating sheath PVC that ensures perfect insulation, or in a self-extinguishing sheath "V0" of fiberglass thermal class "H" (operating temperature up to +180 ° C).

Degree of protection IP42 can be increased up to IP66 or IP68 (certificate) with a special shrink wrap easily removable in case of need.

Systems 3P, 3P + N (if necessary also with a neutral section equal to phase section), in which the protective conductor PE is realized by the lateral structure which ensures the electrical continuity of all the joints.

Lateral structure is made in aluminium thickness 20/10 and assembly plate in non-magnetic aluminum 25/10.

Where required the lateral structure will be made in stainless steel 15/10.

The junction is made with 4 bolts per conductor to ensure a seal of the same over the years without maintenance.

Degree of mechanical protection IK09.

Electrical data

Current ratings: 630-800-1000-1250-1600-2000-2500-3200-4000-5000 A

Rated operational current at room temperature: $T_{max} = 40^{\circ} C$ and $T_{med24h} = 35^{\circ} C$ (24-hour average).

Rated insulation voltage U_i : 1000 V

Rated frequency: 50-60 Hz

Short-circuit withstand short-term, three-phase for 1 s: from 33 to 240kA (see data sheet).

Straight elements

Straight elements standard 4 m in order to minimize the number of joints. There are elements on measure from 0.3 to 3.99 m.

The maximum distance between two consecutive suspension brackets is 2 m.

All elements of any size have a fixed height of 120 mm to minimize the space.

Special Items

Available on measure: straight elements, elbow, double elbows, with or without a terminal units required to make each type of route.

Connections to panels

Flexible connections terminals for connection between the terminal header and transformer or bar of panel.

Tap-off plugs

Tap off boxes bolted on joint with rated currents from 100 up to 2500 A version with fused switch or prefitted for circuit breakers (MCCB).

The tap-off plugs can also be positioned in predetermined positions of the elements every 1 m and with degree of protection IP40 or IP55.

The contacts of socket current silver and shaped so as to have good surface contact with the conductor.

Accessories

End feed box or center feed box and end cap at the end of the line.

Fire barrier with resistance up to 180 minutes

Suspension systems for horizontal or vertical lines.

REFERENCE STANDARDS

IEC 61439/1-6

IEC 61439/1-6

CEI EN60529

CE Marking

ISO9001 Certification

REQUIREMENTS AND TESTS

Certificates of type

Routine tests (test reports available on request)

DOCUMENTATION ACCOMPANYING THE PRODUCT

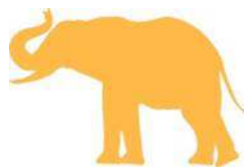
Declaration of compliance with the manufacturer's product

Datasheets

Installation, use and maintenance.

SPECIFICATION TEXT

COPPER ISOLSBARRA 630-6300 A



Power busbars

Subject: Busbar trunking system from 630 A up to 6300 A for the transport of the current

Dimensional characteristics variables

Pole for rated current in A

SPECIFICATIONS BINDING QUALITY

Busbar trunking system with electrolytic copper conductors individually insulated 99.9 FTE, each placed inside a self-extinguishing insulating sheath IN PVC that ensures perfect insulation, or in a self-extinguishing sheath "V0" of fiberglass thermal class "H" (operating temperature up to +180 ° C).

Degree of protection IP42 can be increased up to IP66 or IP68 (certificate) with a special shrink wrap easily removable in case of need.

Systems 3P, 3P + N (if necessary also with a neutral section equal to phase section), in which the protective conductor PE is realized by the lateral structure which ensures the electrical continuity of all the joints.

Lateral structure is made in aluminum thickness 20/10 and assembly plate in non-magnetic aluminum 25/10.

Where required the lateral structure will be made in stainless steel 15/10.

The junction is made with 4 bolts per conductor to ensure a seal of the same over the years without maintenance.

Degree of mechanical protection IK09.

Electrical data

Current ratings: 630-800-1000-1250-1600-2000-2500-3200-4000-5000-6300 A

Rated operational current at room temperature: Tmax = 40 ° C and Tmed24h = 35 ° C (24-hour average).

Rated insulation voltage Ui: 1000 V

Rated frequency: 50-60 Hz

Short-circuit withstand short-term, three-phase for 1 s: from 33 to 240kA (see data sheet).

Straight elements

Straight elements standard 4 m in order to minimize the number of joints. There are elements on measure from 0.3 to 3.99 m.

The maximum distance between two consecutive suspension brackets is 2 m.

All elements of any size have a fixed height of 120 mm to minimize the space.

Special Items

Available on measure: straight elements, elbow, double elbows, with or without a terminal units required to make each type of route.

Connections to panels

Flexible connections terminals for connection between the terminal header and transformer or bar of panel.

Tap-off plugs

Tap off boxes bolted on joint with rated currents from 100 up to 2500 A version with fused switch or prefitted for circuit breakers (MCCB).

The tap-off plugs can also be positioned in predetermined positions of the elements every 1 m and with degree of protection IP40 or IP55.

The contacts of socket current silver and shaped so as to have good surface contact with the conductor.

Accessories

End feed box or center feed box and end cap at the end of the line.

Fire barrier with resistance up to 180 minutes

Suspension systems for horizontal or vertical lines.

REFERENCE STANDARDS

IEC 61439/1-6

IEC 61439/1-6

CEI EN60529

CE Marking

ISO9001 Certification

REQUIREMENTS AND TESTS

Certificates of type

Routine tests (test reports available on request)

DOCUMENTATION ACCOMPANYING THE PRODUCT

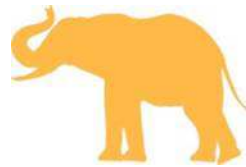
Declaration of compliance with the manufacturer's product

Datasheets

Installation, use and maintenance.

SPECIFICATION TEXT

ISOLSBARRA WITH AIR INSULATION ISOLAIR 630-6300 A



Power busbars

Subject: Busbar trunking system from 630A up to 6300A for the transport of the current

Dimensional characteristics variables

Pole for rated current in A

SPECIFICATIONS BINDING QUALITY

Busbar trunking system with electrolytic copper conductors 99.9 ETP or aluminium conductors with air insulation (ISOLAIR).

Degree of protection IP30 can be increased up to IP42.

Systems 3P, 3P + N (if necessary also with a neutral section equal to phase section), in which the protective conductor PE is realized by the lateral structure which ensures the electrical continuity of all the joints.

Conductors are inside an aluminium housing with thickness 20/10.

Where required the body can be in stainless steel 15/10.

The junction is made with 4 bolts per conductor to ensure a seal of the same over the years without maintenance.

Degree of mechanical protection IK09.

Electrical data

Current ratings: 630-800-1000-1250-1600-2000-2500-3200-4000-5000-6300 A.

Rated operational current at room temperature: $T_{max} = 40^{\circ}C$ and $T_{med24h} = 35^{\circ}C$ (24-hour average).

Rated insulation voltage U_i : 1000 V

Rated frequency: 50-60 Hz

Short-circuit withstand short-term, three-phase for 1 s: from 33 to 240kA (see data sheet).

Straight elements

Straight elements standard 4 m in order to minimize the number of joints. There are elements on measure from 0.3 to 3.99 m.

The maximum distance between two consecutive suspension brackets is 2 m.

All elements of any size have a fixed height of 120 mm to minimize the space.

Special Items

Available on measure: straight elements, elbow, double elbows, with or without a terminal units required to make each type of route.

Connections to panels

Flexible connections terminals for connection between the terminal header and transformer or bar of panel.

Tap-off plugs

Tap off boxes bolted on joint with rated currents from 100 up to 2500 A version with fused switch or prefitted for

circuit breakers (MCCB).

The tap-off plugs can also be positioned in predetermined positions of the elements every 1 m and with degree of protection IP31 or IP42.

The contacts of socket current silver and shaped so as to have good surface contact with the conductor.

Accessories

End feed box or center feed box and end cap at the end of the line.

Fire barrier with resistance up to 180 minutes.

Suspension systems for horizontal or vertical lines.

REFERENCE STANDARDS

IEC 61439/1-6

IEC 61439/1-6

CEI EN60529

CE Marking

ISO9001 Certification

REQUIREMENTS AND TESTS

Certificates of type

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DOCUMENTATION ACCOMPANYING THE PRODUCT

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Datasheets

Installation, use and maintenance.