



SLIP RING COLLECTORS



PRODUCT
OVERVIEW

SLIP RING COLLECTORS

4 series of slip ring collectors where rings coupled with brushes are used to transfer current from a stationary unit to a rotating one.

FEATURES

- Suitable for transferring current at 50/60 Hz frequency.
- Enclosures with small holes to allow air circulation (Slip ring collectors 10A/30A and 50A).
- Lower plates with holes to drain moisture (Slip ring collectors 10A/30A and 50A).

MATERIALS

- Shock-resistant thermoplastic protection to prevent accidental contacts with live parts (Slip ring collectors 10A, 10A/30A, 50A).
- Enclosure made of steel, stainless steel AISI 304 or 316L, aluminum, galvanized or epoxy powder varnished steel resistant to marine and aggressive environments (Slip ring collectors Sao 300A-500A).
- Phosphor bronze, graphite or metalgraphite (graphite with copper) brushes.
- Silver or gold signal rigs (Slip ring collectors Sao 300A-500A).

DIRECTIVES AND STANDARDS

- Conformity to Community Directives: 2014/35/UE, 2006/42/CE.
- Conformity to CE Standards: EN 60204-1, EN 60309-1, EN 60529.

10A

CE EAC



- 4 rings.
- Version with driving slots available.
- Available with coupling flange.
- Insulation category: Class I.
- Operating positions: any position.
- Overall dimensions:
without driving slot 79.5 x 80.5 x 63 mm (HxLxW)
with driving slot 107 x 80.5 x 63 mm (HxLxW).

Electrical specifications

- Rated operational current: 10 A.
- Rated operational voltage: 400 Vac.
- Rated insulation voltage: 660 Vac.
- Max. speed: 3 rev./min.
- Connections: 6.3 mm Faston taps.

10A/30A

CE EAC



- Up to 40 rings coupled with brushes.
- Available with 30A line rings only or with 30A line rings and 10A auxiliary rings.
- Insulation category: Class I.
- Cable entry: cable clamps M20 - M25.
- Operating positions: any position.
- Overall dimensions (depending on the number and type of rings (HxLxW):
10A-30A: min 178 x 195 x 135 mm - max 178 x 483 x 135 mm
30A: min 178 x 179 x 135 mm - max 178 x 451 x 135 mm.

Electrical specifications

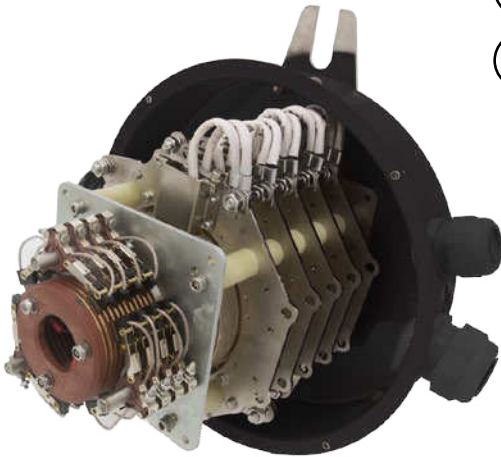
- Rated operational current: 10 A - 30 A.
- Rated operational voltage: 400 Vac.
- Rated insulation voltage: 660 Vac.
- Max. speed: 3 rev./min.
- Connections:
clamps with Ø 4 mm hole
clamps with M4 screw accepting eyelet terminals.



- Up to 16 50A line rings coupled with brushes.
- Insulation category: Class I.
- Cable entry: cable clamps M20 - M25.
- Operating positions: any position.
- Overall dimensions (depending on the number of rings) (HxLxW):
min 203 x 174 x 150 mm - max 203 x 447 x 150 mm.

Electrical specifications

- Rated operational current: 50 A.
- Rated operational voltage: 400 Vac.
- Rated insulation voltage: 660 Vac.
- Max. speed: 3 rev./min.
- Connections: clamps with M6 screw accepting eyelet terminals.



- Power rings coupled with signal rings and customized to meet different requirements.
- Silver or gold signal rings.
- Cables entry: customized cable glands.
- Rotation speed: up to 30 rpm.
- Overall dimensions (depending on the number and dimensions of the rings or on amperage and voltage):
150A - 300A: Ø 320 mm x H 346 mm
300A - 500A: Ø 360 mm x H 502 mm.

Electrical specifications

- Rated operational current: up to 500A.
- Rated operational voltage: up to 680 Vac.
- Suitable for transferring DC current.

Transmission protocol specifications

- Data transmission protocol: Ethernet CAT 5, Profibus, Profinet, LAN, Can-BUS, Can-Open.
- Max. speed: 1 Gbit/s.

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