



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).
- Cases made of steel, stainless steel AISI 304 or 316L, aluminium, galvanized or varnished steel with epoxy base and polyester powder resistant to marine and aggressive environments (Slip ring collectors up to 500A).
- Phosphor bronze, graphite or metalgraphite (graphite with copper) brushes.
- Silver or gold signal rigs (Slip ring collectors up to 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

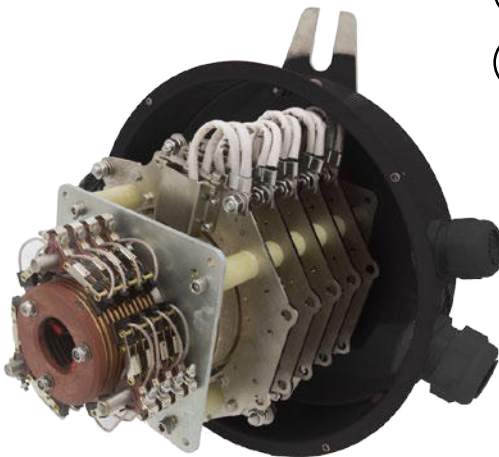
- Rated operational current: 10 A - 30 A.
- Rated operational voltage: 400 Vac.
- Rated insulation voltage: 660 Vac.
- Max. speed: 3 rev./min.
- Connections:
clamps with Ø 4 mm hole
clamps with M4 screw accepting eyelet terminals.



- 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 customized to customer's requirement.
- Silver or gold signal rings.
- Cables entry diameter: customized cable glands.
- Rotation speed: up to 30 rpm.
- Overall dimensions (depending on the slip rings number and dimensions 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.



T.E.R. Tecno Elettrica Ravasi srl
Via Garibaldi 29/31 - 23885 Calco (LC) - Italy
Tel. +39 039 99.11.011 - Fax +39 039 99.10.445
info@terworld.com

www.terworld.com