



Slip ring collectors are sets of rings coupled with brushes designed to allow current to pass from a fixed to a rotating part. The 10A series is used mainly on small jib cranes and it has only 4 rings.

FEATURES

These units are suitable only for transmitting currents with 50/60 Hz supply frequency.

OPTIONS

Slip ring collectors are available with or without driving slot or with flange.



INDUSTRIAL LIFTING



CONSTRUCTION LIFTING



INDUSTRIAL AUTOMATION

STANDARDS - MARKINGS - HOMOLOGATIONS

Conformity to Community Directives:
2006/95/CE: Low Voltage Directive
2006/42/CE: Machinery Directive

- Conformity to Standards:

EN 60204-1 Safety of machinery - Electrical equipment of machines

EN 60309-1 Plugs, socket-outlets and couplers for industrial purposes

- General requirements

EN 60529 Degrees of protection provided by enclosures

GENERAL TECHNICAL SPECIFICATIONS

Storage ambient temperature: -40°C/+70°C
Operational ambient temperature: -25°C/+70°C

- Protection degree: IP 00

Insulation category: Class IOperating positions: any position

- Markings and homologations: C€ [Ⅲ

ELECTRICAL SPECIFICATIONS

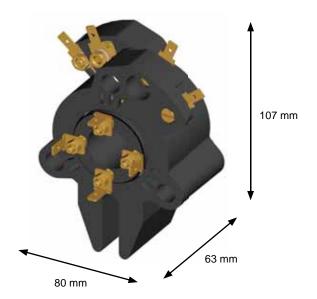
Rated operational current: 10 ARated operational voltage: 400 V

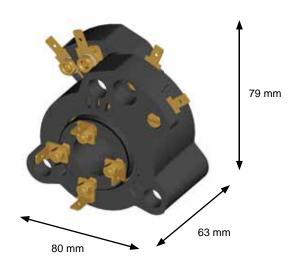
- Rated insulation voltage: 660 V

- Max. speed: 3 rev./min

- Connections: 6.3 mm Faston taps - Markings and homologations: $\zeta \in$

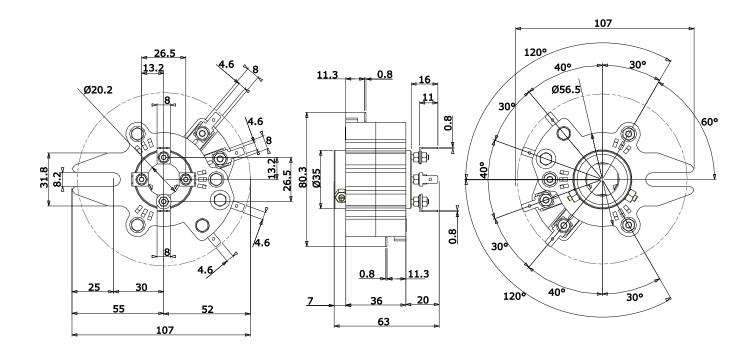
OVERALL DIMENSIONS

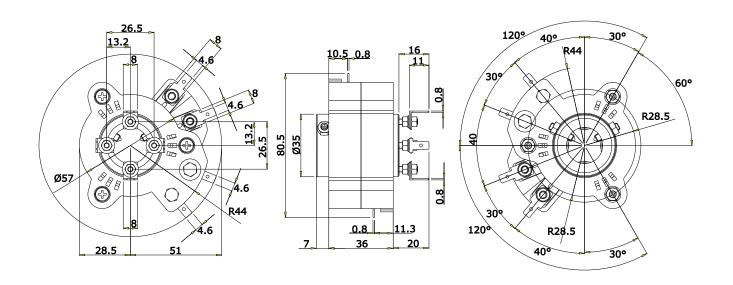




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STANDARD SLIP RING COLLECTORS

DESCRIPTION	Code
Slip ring collector with driving slot	PF21270100
Slip ring collector without driving slot	PF21270200
Slip ring collector with Ø 40x30mm flange	PF21270101

USE AND MAINTENANCE INSTRUCTIONS

The slip ring collector 10A is an electromechanical device for low voltage voltage control circuits (EN 60947-1, EN 60947-5-1) for use as electric equipment on machines (EN 60204-1) in compliance with the essential requisites of the Low Voltage Directive 2006/95/CE and the Machine Directive 2006/42/CE.

The collector is designed for use in industrial environments with even very severe climatic conditions (working temperatures from -25°C to +70°C and is suitable for use in tropical environments). The equipment is not suitable for use in environments with a potentially explosive atmosphere, in the presence of corrosive agents or high percentage of sodium chloride (saline mist). Contact with oil, acids and solvents may damage the equipment.

We recommend cleaning the device during routine maintenance to remove the residues of metallic dust that may deposit on it. After about 250 working hours clean the rings and contacts.

Installation

- Fasten the stator (or fixed part) using the C iron found on the piece; make sure it is securely in place and cannot be moved by vibrations and/or impact.
- Fasten the rotor (or mobile part) on a cylindrical structure (max diameter 19.5mm) using the two dowels and a 2 mm hexagonal wrench to tighten the counternuts.
- Proceed to wire the fast-ons for the three phases and ground wire referring to the letters on the fixed and mobile part. We recommend using fast-ons with insulated body.
- Make sure that during rotation the fast-ons do not interfere with passive and/or active parts of the machine and that the wires do not become entangled.

NOTE: the product has a degree of protection IP00, therefore before operating in the vicinity of it make sure the part is electrically isolated!

The collector does not require any operations of maintenance, lubrication and/or greasing.

At least once a year check the mechanical fastenings of the fixed part and make sure the rotor is securely fastened and the electric wires are in

Make sure that during rotation the fast-ons do not interfere with passive and/or active parts of the machine and that the wires do not become entangled. Keep the product free of dust and dirt and make sure the plastic parts are in perfect conditions: in case of any breakage and/or deterioration replace the product.

Any change to parts of the collector will invalidate the rating plate data and identification of the device, and render the warranty null and void. In case of replacement of any part, use only original replacements.

TER is not liable for damages caused by improper use of the device and installation which is not made correctly.

REMARKS	
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