

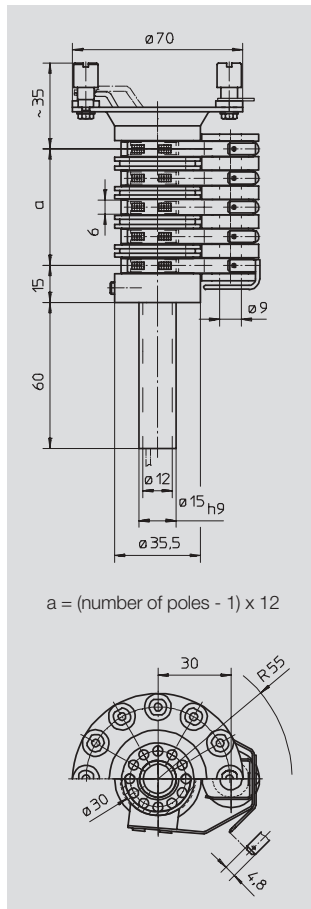
Slip ring bodies

Slip ring body ES30 16 A / 400 V (415 V)¹⁾



Electrical data

- Voltage:
 - max. 400 V \sim (415 V)¹⁾
 - according to DIN VDE 0110
 - overvoltage category III
 - insulating material group II
 - degree of contamination 3
- Current: mA to 16 A, at max. 30°C and 100% duty cycle
- Slip rings:
 - \varnothing 30 x 6 mm, brass distance between rings 12 mm
- Current collector:
 - support with 2 pressed-on coils 20 x 6.4 mm
 - connecting flat plug 4.8 (DIN 46244) for flat socket 4.8 (DIN 46247)
- Protection class: IP 00



Control and data transmission

- Ring with multi-layer coating (ML) and current collector
 - bronze 25 mA at 24 V and >
- Ring with multi-layer coating (ML) and current collector
 - silver (Ag) 0 - 20 mA at min. 0 - 10 V
 - digital max. 500 kBaud
- Measured data transmissions and video signals require consultation

Wiring and max. number of poles

- Max. 10 (incl. PE)
- Completely wired with 2.5 mm² on a clamping board (sheathed clamps)

More technical details

- Rotational speed: max. 100 U/min
- Insulation:
 - insulating parts PA 6, glass fibre reinforced
- Ambient temperature:
 - -35°C to max. +50°C
 - at > 50°C the max. current load has to be reduced accordingly
 - for higher temperature please inquire
- Position of installation:
 - standing
- Axle tube: $d_a = 15_{h9}$ mm

Volume of delivery

- Complete slip ring body with current collectors
- Insulator
- Axle tube (secure on site against torsion with 2 threaded pins M5, DIN 914)
- Without brush bolt

1) The voltages apply for slip ring bodies, installed in systems (parts of systems) that are not directly fed by the low-voltage net (VDE 0110-1/1997-04: 2.2.1.1.2, table 4). On systems (part of systems) with direct feeding from the low-voltage net, the values in brackets are permissible for alternating voltage (VDE 0110-1/1997-04: 2.2.1.1.1, table 3b).

Order example:

ES30/R15-04

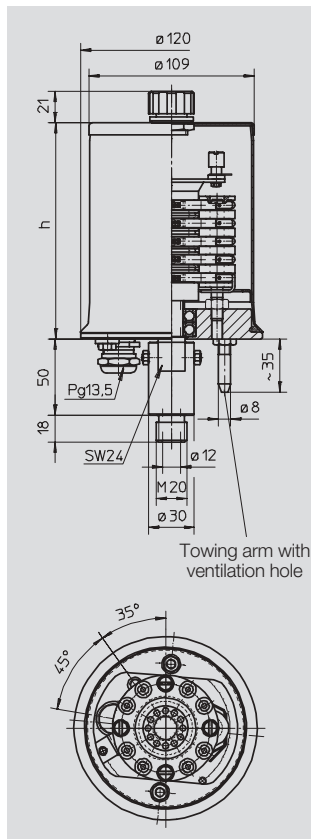
Slip ring body
Type 30, 3-pole + PE
with tube $d_a = 15$ mm

Enclosed slip ring body GS30 16 A / 400 V (415 V)¹⁾



Electrical data

- According to type ES30
- Exception:
 - protection class: IP 65



Control and data transmission

- According to type ES30

Wiring and max. number of poles

- According to type ES30

More technical details

- Rotational speed: max. 100 U/min
- Insulation:
 - insulating parts PA 6, glass fibre reinforced
- Ambient temperature:
 - -35°C to max. +50°C
 - at > 50°C the max. current load has to be reduced accordingly
 - for higher temperature please inquire
- Position of installation:
 - standing
 - other positions on request
- Bearing: anti-friction bearing
- Corrosion protection:
 - Steel parts galvanized and powdercoated RAL 1012

- Glands:
 - in the axle hole $\varnothing 12$ mm / M20
 - in the housing Pg 13.5 (on request as angle-Pg)
- Option:
 - With fixing flange

1) The voltages apply for slip ring bodies, installed in systems (parts of systems) that are not directly fed by the low-voltage net (VDE 0110-1/1997-04: 2.2.1.1.2, table 4). On systems (part of systems) with direct feeding from the low-voltage net, the values in brackets are permissible for alternating voltage (VDE 0110-1/1997-04: 2.2.1.1.1, table 3b).

Order example:

GS30-04

Enclosed slip ring body
Type 30
3-pole + PE

Max. poles incl. PE	h [mm]
4	126
6	143
10	193