



GIOVENZANA
INTERNATIONAL B.V.



HANDLING SYSTEM



Slip rings

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Slip rings are used to transfer electrical signal and power energy between stator and a rotor or vice versa. They are comprised of 3 or more graphite or metal contacts, mounted on the steel shaft. The contact brushes are all replaceable and are in graphite on Prisma and Navale series in copper on Scudo series.

☐ **OPERATING TIME:** The operating life of a slip ring depends on the rotation speed and the dynamic stability.

☐ **CURRENT RATING:** Capacity can be increasing by connecting in series or parallel two or more slip rings.

☐ **BRUSHES IN GRAPHITE (Prisma and Navale line):** They are mainly used on low-medium speed applications. They are most used when more circuits are required as they ensure a very good connection, as they are resistant to both low and high temperatures and aggressive environments with chemicals and/or humidity present.

☐ **SPEED OPERATION:** Max rotation speed 20 turns 1'.

| Picture | N° rings | Code | Dimensions | "A" | Technical data |
|---------|----------|----------|------------|-----|-------------------------------------|
| | 3 | 30402091 | | 180 | ✓ Rated insulation voltage Ui 690V |
| | 4 | 30402092 | | 195 | ✓ Rated operating voltage Ue 500Vac |
| | 5 | 30402093 | | 210 | ✓ Rated operating current 20A |
| | 6 | 30402094 | | 225 | Intermittent working 30A. |
| | 7 | 30402095 | | 240 | ✓ IP51 close frame version with |
| | 8 | 30402096 | | 255 | protection rated IEC/EN60529 |
| | 9 | 30402097 | | 270 | ✓ Modularity: |
| | 10 | 30402098 | | 285 | from 3 up to 15 80 mm Ø rings |
| | 11 | 30402099 | | 300 | ✓ Copper brushes |
| | 12 | 30402100 | | 315 | ✓ 42 mm Ø shaft |
| | 13 | 30402101 | | 330 | ✓ Pvc Ø147 mm housing and |
| | 14 | 30402102 | | 345 | terminals cover |
| | 15 | 30402103 | | 360 | ✓ Ambient temperature: +60°C/-30°C |

available on request : Prisma line (open box), Navale line (aluminium housing) and spare parts (collectors, brushes etc etc..)

Warning horns

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Technical data

Dimensions

| Picture | Line | Supply | Consumption | Code | <div>✓Continuous operation</div> <div>✓Frequency:</div> <div>G75: 50 Hz</div> <div>G100: 300÷350 Hz</div> <div>✓Pressure (at 1 meter):</div> <div>G75: 88 dB (A)</div> <div>G100: 93.5 dB (A)</div> <div>✓Wall mounted</div> <div>✓Protection class IEC/EN 60529:</div> <div>G75: IP30</div> <div>G100: IP65 double insulated</div> <div>✓Terminal type:</div> <div>G75: 3 way terminal (2+T)</div> <div>G100: 2 way terminal</div> | <div></div> | | | | | | | | | | |
|--|-------------|--------|-------------|----------|---|-------------|----------|---|---|-----|-------|-------|----|------|------|-------|
| <div>G75 Ø 75mm</div> <div></div> | G75 | 24 AC | 190 mA | G75.24 | | | | | | | | | | | | |
| | G75 | 48 AC | 80 mA | G75.48 | | | | | | | | | | | | |
| | G75 | 110 AC | 28 mA | G75.110 | | | | | | | | | | | | |
| | G75 | 230 AC | 20 mA | G75.230 | | | | | | | | | | | | |
| | G75 | 24 DC | 40 mA | G75.24DC | | | | | | | | | | | | |
| <div>G75</div> <div>48 DC</div> <div>-</div> <div>G75.48DC</div> | <div></div> | | | | | | | | | | | | | | | |
| | | G100 | 24 AC | 415 mA | | | G100.24 | | | | | | | | | |
| | | G100 | 48 AC | 210 mA | | | G100.48 | | | | | | | | | |
| | | G100 | 110 AC | 90 mA | | | G100.110 | | | | | | | | | |
| | | G100 | 230 AC | 42 mA | G100.230 | | | | | | | | | | | |
| <div>G100 Ø100mm</div> <div></div> | | | | | <div>Box</div> <div><div>G 7511710009</div><div>G10011710010</div></div> <div></div> | | | | | | | | | | | |
| | | | | | <table><tr><td></td><td>A</td><td>B</td><td>H</td></tr><tr><td>G75</td><td>Ø95.5</td><td>Ø76.5</td><td>56</td></tr><tr><td>G100</td><td>Ø120</td><td>Ø95.5</td><td>58</td></tr></table> | | A | B | H | G75 | Ø95.5 | Ø76.5 | 56 | G100 | Ø120 | Ø95.5 |
| | A | B | H | | | | | | | | | | | | | |
| G75 | Ø95.5 | Ø76.5 | 56 | | | | | | | | | | | | | |
| G100 | Ø120 | Ø95.5 | 58 | | | | | | | | | | | | | |

SLIP RINGS

WARNING HORNS



GIOVENZANA INTERNATIONAL B.V.

1077 XX Amsterdam, The Netherlands
WTC Strawinskylaan 1105
Ph. +31(0) 20.4413576 - Fax +31(0) 20.4413456
e-mail: giovenzana@giovenzana.com

G.M.K. K.f.t.

1068 Budapest, Hungary
Rippl Ronai ut.13
Ph. +36.37.572575 - Fax +36.37.572570
e-mail: gmk@giovenzana.com

G.T.R. LCC

Moscow, Russian Federation
Ulitsa Radio 24, Yauza Tower 4th floor
Ph. +7.495.6991296 / 6503959 - Fax +7.495.6991520
e-mail: gtr@giovenzana.com

GIOVENZANA CONTROLS Pvt. Ltd.

Malad (West) Mumbai, Maharashtra 400064, India
203, A-Wing Knox Plaza, Off Link Road Mindspace
Ph. +91.22.42640071
e-mail: ggindia@giovenzana.com

Branch

DUBAI U.A.E. P.O. Box 262146 - J.A.F.Z.A. 15, Jebel Ali Free Zone
Ph. +971.4.8870788 - Fax +971.4.8870787
e-mail: uae@giovenzana.com

www.giovenzana.com