

Prese di Corrente Rotanti con Foro Passante Tipo DHK

Le prese di corrente rotanti con foro passante, hanno un albero cavo adatto per passaggi di cavi, funi, alberi e altre strutture assiali necessarie per il funzionamento del gruppo rotante.

I prodotti sono completamente personalizzabili: sono disponibili in versioni da 2 a 350 anelli con diverso diametro del foro passante da 3mm a 300mm, flange di fissaggio differenti, collari per alberi, corone dentate o altre caratteristiche richieste.

Le prese di corrente rotanti con foro passante utilizzano la più avanzata tecnologia per ottenere spazzole in metallo prezioso multi-contatto, offrono una bassa rumorosità elettrica per la trasmissione del bus di campo ad alta velocità di dati, unita ad una bassa pressione di contatto per una lunga durata, e non richiedono manutenzione particolare.

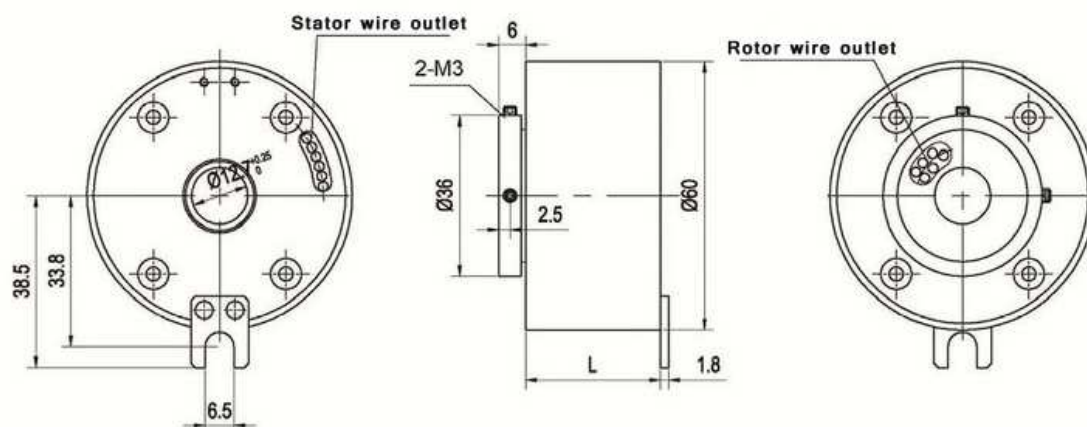
Caratteristiche principali

- **Numero di passaggi:** da 2 a 350
- **Corrente nominale per ogni anello:** da 2A a 6000A
- **Diametro foro passante:** da 3mm a 300mm (*personalizzabile*)
- **Grado di protezione:** IP51 (*personalizzabile fino a IP65*)
- **Velocità di rotazione:** fino a 250 RPM (*personalizzabile per RPM maggiori*)
- **Contenitore:** in alluminio
- **Materiale contatti:** rivestimento in metalli preziosi
- **Lunghezza cavo standard:** 500mm (*personalizzabile*)
- **Tipologia di cavo:** flessibile, codificato per colore, argentato, isolato in Teflon®
- **Temperatura di esercizio:** da -20°C a +80°C
- **Umidità di esercizio:** < 70%
- **Tensione di isolamento:** 1500VAC@50Hz, 60S, 1mA; 500VAC@50Hz, 60s, 2mA
- **Resistenza di isolamento:** 1000MΩ 500VDC; 500MΩ 500VDC per segnale
- **Coppia:** entro 0.5N/m



Versioni Standard

DHK12 con foro passante 12 mm



| Item No. | Ring Numbers | 2A Length | 5A Length | 10A Length | 15A Length | 20A Length |
|-----------|--------------|-----------|-----------|------------|------------|------------|
| DHK012-6 | 6 | 27.4 | 28.6 | 30.4 | 33.4 | 36.4 |
| DHK012-12 | 12 | 39.4 | 41.8 | 45.4 | 51.4 | 57.4 |
| DHK012-18 | 18 | 51.4 | 55 | 60.4 | 69.4 | - |
| DHK012-24 | 24 | 63.4 | 68.2 | 75.4 | 87.4 | - |
| DHK012-30 | 30 | 75.4 | 81.4 | - | - | - |
| DHK012-36 | 36 | 87.4 | 94.6 | - | - | - |
| DHK012-42 | 42 | 99.4 | - | - | - | - |
| DHK012-48 | 48 | 111.4 | - | - | - | - |

Conductor Specification: 2A with AWG26# color Teflon conductor, 5A with AWG22# color Teflon conductor

10A uses AWG18# color Teflon conductor (or AWG16# flexible color PVC insulated conductor).

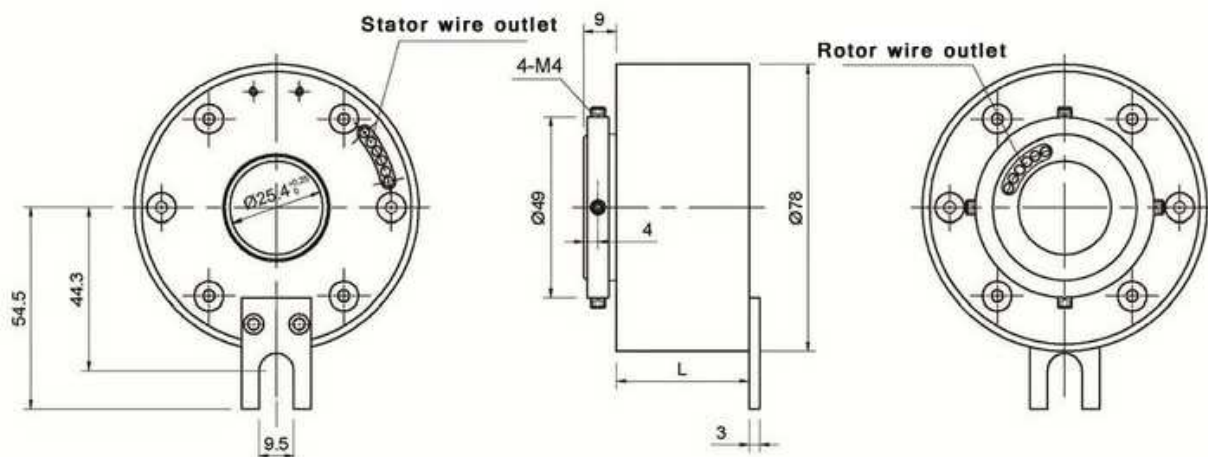
15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor).

20A uses AWG14# color Teflon conductor.

Length of product combinations with arbitrary number of channels (n2, n5, n10, n15, n20) (mm):

$$L = 15.4 + 2 \cdot n2 + 2.2 \cdot n5 + 2.5 \cdot n10 + 3 \cdot n15 + 3.5 \cdot n20$$

DHK25 con foro passante 25mm



| Item No. | Ring Number | 2A Length | 5A Length | 10A Length | 15A Length | 20A Length |
|-----------|-------------|-----------|-----------|------------|------------|------------|
| DHK025-6 | 6 | 33.4 | 34.6 | 36.4 | 39.4 | 42.4 |
| DHK025-12 | 12 | 55.4 | 47.8 | 51.4 | 57.4 | 63.4 |
| DHK025-18 | 18 | 57.4 | 61 | 66.4 | 75.4 | 84.4 |
| DHK025-24 | 24 | 69.4 | 74.2 | 81.4 | 93.4 | 105.4 |
| DHK025-30 | 30 | 81.4 | 87.4 | - | - | - |
| DHK025-36 | 36 | 93.4 | 100.6 | - | - | - |
| DHK025-42 | 42 | 105.4 | 113.8 | - | - | - |
| DHK025-48 | 48 | 117.4 | 127 | - | - | - |

Conductor Specification: 2A with AWG26# color Teflon conductor, 5A with AWG22# color Teflon conductor

10A uses AWG18# color Teflon conductor (or AWG16# flexible color PVC insulated conductor).

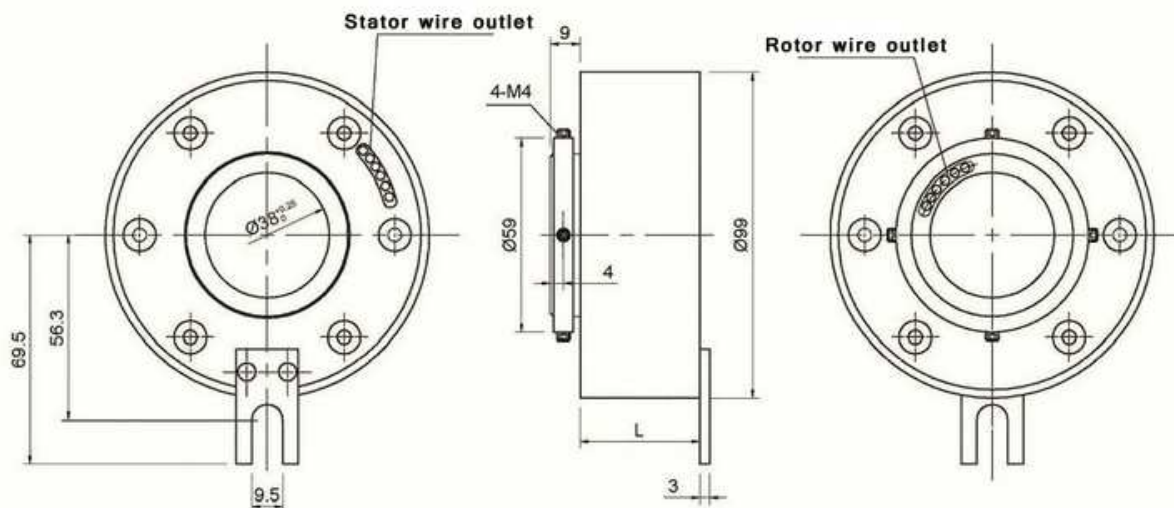
15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor).

20A uses AWG14# color Teflon conductor.

Length of product combinations with arbitrary number of channels (n2, n5, n10, n15, n20) (mm):

$$L = 21.4 + 2 \cdot n2 + 2.2 \cdot n5 + 2.5 \cdot n10 + 3 \cdot n15 + 3.5 \cdot n20$$

DHK38 con foro passante 38mm



| Item No. | Ring Number | 2A Length | 5A Length | 10A Length | 15A Length | 20A Length |
|-----------|-------------|-----------|-----------|------------|------------|------------|
| DHK038-6 | 6 | 33.4 | 34.6 | 36.4 | 39.4 | 42.4 |
| DHK038-12 | 12 | 45.4 | 47.8 | 51.4 | 57.4 | 63.4 |
| DHK038-18 | 18 | 57.4 | 61 | 66.4 | 75.4 | 84.4 |
| DHK038-24 | 24 | 69.4 | 74.2 | 81.4 | 93.4 | 105.4 |
| DHK038-30 | 30 | 81.4 | 87.4 | - | - | - |
| DHK038-36 | 36 | 93.4 | 100.6 | - | - | - |
| DHK038-42 | 42 | 105.4 | 113.8 | - | - | - |
| DHK038-48 | 48 | 117.4 | 127 | - | - | - |

Conductor Specification: 2A with AWG26# color Teflon conductor, 5A with AWG22# color Teflon conductor

10A uses AWG18# color Teflon conductor (or AWG16# flexible color PVC insulated conductor).

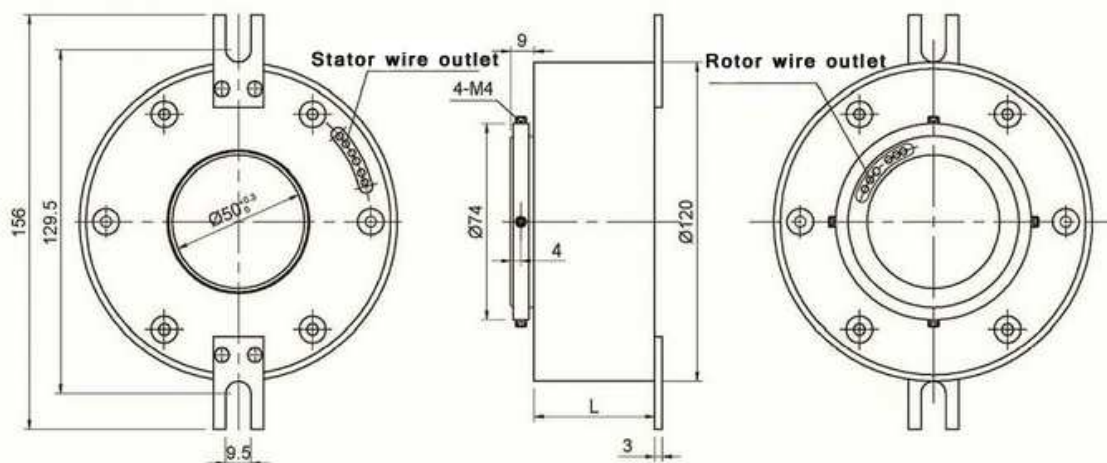
15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor).

20A uses AWG14# color Teflon conductor.

Length of product combinations with arbitrary number of channels (n2, n5, n10, n15, n20) (mm):

$$L = 21.4 + 2 \cdot n2 + 2.2 \cdot n5 + 2.5 \cdot n10 + 3 \cdot n15 + 3.5 \cdot n20$$

DHK50 con foro passante 50mm



| Item No. | Ring Number | 2A Length | 5A Length | 10A Length | 15A Length | 20A Length | 25A Length |
|-----------|-------------|-----------|-----------|------------|------------|------------|------------|
| DHK050-6 | 6 | 42.4 | 43.6 | 45.4 | 48.4 | 51.4 | 54.4 |
| DHK050-12 | 12 | 54.4 | 56.8 | 60.4 | 66.4 | 72.4 | 78.4 |
| DHK050-18 | 18 | 66.4 | 70 | 75.4 | 84.4 | 93.4 | 102.4 |
| DHK050-24 | 24 | 78.4 | 83.2 | 90.4 | 102.4 | 114.4 | 126.4 |
| DHK050-30 | 30 | 90.4 | 96.4 | 105.4 | 120.4 | 135.4 | - |
| DHK050-36 | 36 | 102.4 | 109.6 | 120.4 | 138.4 | 156.4 | - |
| DHK050-42 | 42 | 114.4 | 122.8 | - | - | - | |
| DHK050-48 | 48 | 126.4 | 136 | - | - | - | |
| DHK050-54 | 54 | 138.4 | 149.2 | - | - | - | |
| DHK050-60 | 60 | 150.4 | 162.4 | - | - | - | |
| DHK050-66 | 66 | 162.4 | 175.6 | - | - | - | |
| DHK050-72 | 72 | 174.4 | 188.8 | - | - | - | |

Conductor Specification: 2A with AWG26# color Teflon conductor, 5A with AWG22# color Teflon conductor

10A uses AWG18# color Teflon conductor (or AWG16# flexible color PVC insulated conductor).

15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor).

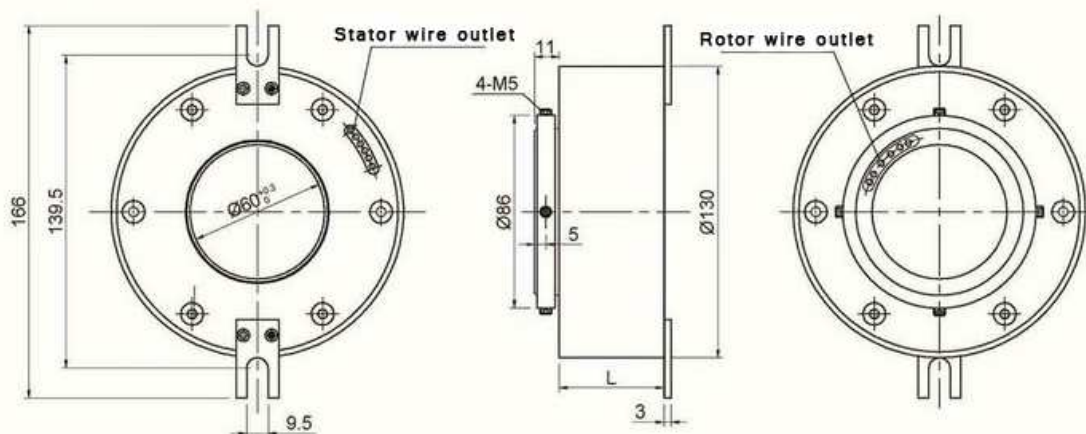
20A uses AWG14# color Teflon conductor (or AWG12# flexible color PVC insulated conductor).

25A uses AWG12# color Teflon conductor.

Length of product combinations with arbitrary number of channels (n2, n5, n10, n15, n20, n25) (mm):

$$L = 30.4 + 2 \cdot n2 + 2.2 \cdot n5 + 2.5 \cdot n10 + 3 \cdot n15 + 3.5 \cdot n20 + 4 \cdot n25$$

DHK60 con foro passante 60mm



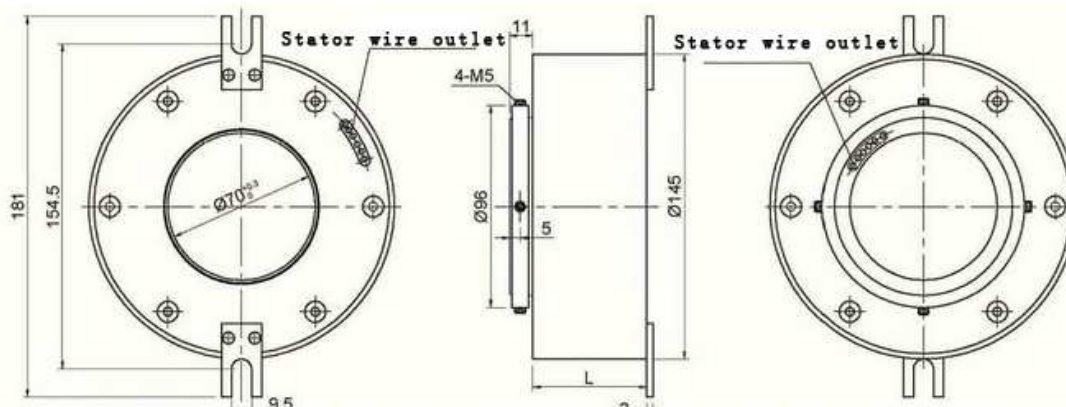
| Item No. | Ring Number | 2A Length | 5A Length | 10A Length | 15A Length | 20A Length | 25A Length |
|------------|-------------|-----------|-----------|------------|------------|------------|------------|
| DHK060-6 | 6 | 43.4 | 44.6 | 46.4 | 49.4 | 52.4 | 55.4 |
| DHK060-12 | 12 | 55.4 | 57.8 | 61.4 | 67.4 | 73.4 | 79.4 |
| DHK060-18 | 18 | 67.4 | 71 | 76.4 | 85.4 | 94.4 | 103.4 |
| DHK060-24 | 24 | 79.4 | 84.2 | 91.4 | 103.4 | 115.4 | 127.4 |
| DHK060-30 | 30 | 91.4 | 97.4 | 106.4 | 121.4 | 136.4 | 151.4 |
| DHK060-36 | 36 | 103.4 | 110.6 | 121.4 | 139.4 | 157.4 | 175.4 |
| DHK060-42 | 42 | 115.4 | 123.8 | 136.4 | 157.4 | 178.4 | - |
| DHK060-48 | 48 | 127.4 | 137 | 151.4 | 175.4 | 199.4 | - |
| DHK060-54 | 54 | 139.4 | 150.2 | 166.4 | 193.4 | - | - |
| DHK060-60 | 60 | 151.4 | 163.4 | 181.4 | 211.4 | - | - |
| DHK060-66 | 66 | 163.4 | 176.6 | 196.4 | - | - | - |
| DHK060-72 | 72 | 175.4 | 189.8 | 211.4 | - | - | - |
| DHK060-78 | 78 | 187.4 | 203 | - | - | - | - |
| DHK060-84 | 84 | 199.4 | 216.2 | - | - | - | - |
| DHK060-90 | 90 | 211.4 | 229.4 | - | - | - | - |
| DHK060-96 | 96 | 223.4 | 242.6 | - | - | - | - |
| DHK060-102 | 102 | 235.4 | - | - | - | - | - |
| DHK060-108 | 108 | 247.4 | - | - | - | - | - |

Conductor Specification: 2A with AWG26# color Teflon conductor, 5A with AWG22# color Teflon conductor
 10A uses AWG18# color Teflon conductor (or AWG16# flexible color PVC insulated conductor).
 15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor).
 20A uses AWG14# color Teflon conductor (or AWG12# flexible color PVC insulated conductor).
 25A uses AWG12# color Teflon conductor.

Length of product combinations with arbitrary number of channels (n2, n5, n10, n15, n20, n25) (mm):

$$L = 30.4 + 2 \cdot n2 + 2.2 \cdot n5 + 2.5 \cdot n10 + 3 \cdot n15 + 3.5 \cdot n20 + 4 \cdot n25$$

DHK70 con foro passante 70mm

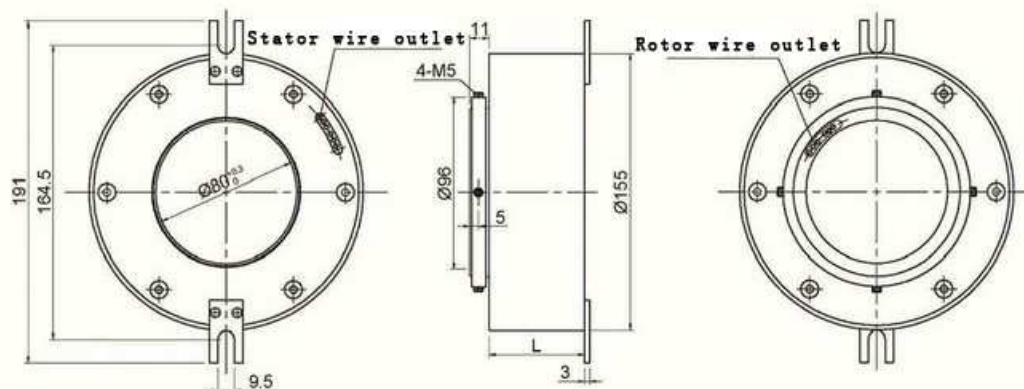


| Item No. | Ring Number | 2A Length | 5A Length | 10A Length | 15A Length | 20A Length | 25A Length |
|------------|-------------|-----------|-----------|------------|------------|------------|------------|
| DHK070-6 | 6 | 51 | 52.2 | 54 | 57 | 60 | 63 |
| DHK070-12 | 12 | 63 | 65.4 | 69 | 75 | 81 | 87 |
| DHK070-18 | 18 | 75 | 78.6 | 84 | 93 | 102 | 111 |
| DHK070-24 | 24 | 87 | 91.8 | 99 | 111 | 123 | 135 |
| DHK070-30 | 30 | 99 | 105 | 114 | 129 | 144 | 159 |
| DHK070-36 | 36 | 111 | 118.2 | 129 | 147 | 165 | 183 |
| DHK070-42 | 42 | 123 | 131.4 | 144 | 165 | 186 | 207 |
| DHK070-48 | 48 | 135 | 144.6 | 159 | 183 | 207 | 231 |
| DHK070-54 | 54 | 147 | 157.8 | 174 | 201 | - | - |
| DHK070-60 | 60 | 159 | 171 | 189 | 219 | - | - |
| DHK070-66 | 66 | 171 | 184.2 | 204 | - | - | - |
| DHK070-72 | 72 | 183 | 197.4 | 219 | - | - | - |
| DHK070-78 | 78 | 195 | 210.6 | - | - | - | - |
| DHK070-84 | 84 | 207 | 223.8 | - | - | - | - |
| DHK070-90 | 90 | 219 | 237 | - | - | - | - |
| DHK070-96 | 96 | 231 | 250.2 | - | - | - | - |
| DHK070-102 | 102 | 243 | 263.4 | - | - | - | - |
| DHK070-108 | 108 | 255 | 276.6 | - | - | - | - |
| DHK070-114 | 114 | 267 | - | - | - | - | - |
| DHK070-120 | 120 | 279 | - | - | - | - | - |

Conductor Specification: 2A with AWG26# color Teflon conductor, 5A with AWG22# color Teflon conductor
 10A uses AWG18# color Teflon conductor (or AWG16# flexible color PVC insulated conductor).
 15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor).
 20A uses AWG14# color Teflon conductor (or AWG12# flexible color PVC insulated conductor).
 25A uses AWG12# color Teflon conductor.

Length of product combinations with arbitrary number of channels (n2, n5, n10, n15, n20, n25) (mm):
 $L = 39 + 2 \cdot n2 + 2.2 \cdot n5 + 2.5 \cdot n10 + 3 \cdot n15 + 3.5 \cdot n20 + 4 \cdot n25$

DHK80 con foro passante 80mm

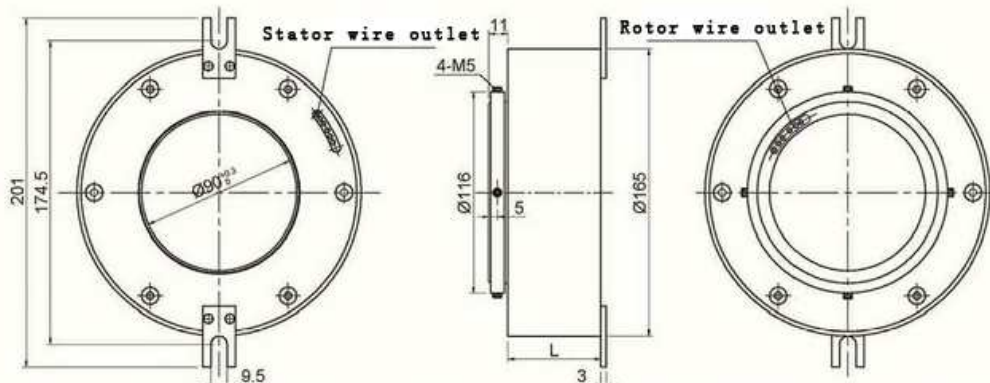


| Item No. | Ring Number | 2A Length | 5A Length | 10A Length | 15A Length | 20A Length | 25A Length |
|------------|-------------|-----------|-----------|------------|------------|------------|------------|
| DHK080-6 | 6 | 51 | 52.2 | 54 | 57 | 60 | 63 |
| DHK080-12 | 12 | 63 | 65.4 | 69 | 75 | 81 | 87 |
| DHK080-18 | 18 | 75 | 78.6 | 84 | 93 | 102 | 111 |
| DHK080-24 | 24 | 87 | 91.8 | 99 | 111 | 123 | 135 |
| DHK080-30 | 30 | 99 | 105 | 114 | 129 | 144 | 159 |
| DHK080-36 | 36 | 111 | 118.2 | 129 | 147 | 165 | 183 |
| DHK080-42 | 42 | 123 | 131.4 | 144 | 165 | 186 | 207 |
| DHK080-48 | 48 | 135 | 144.6 | 159 | 183 | 207 | 231 |
| DHK080-54 | 54 | 147 | 157.8 | 174 | 201 | - | - |
| DHK080-60 | 60 | 159 | 171 | 189 | 219 | - | - |
| DHK080-66 | 66 | 171 | 184.2 | 204 | - | - | - |
| DHK080-72 | 72 | 183 | 197.4 | 219 | - | - | - |
| DHK080-78 | 78 | 195 | 210.6 | - | - | - | - |
| DHK080-84 | 84 | 207 | 223.8 | - | - | - | - |
| DHK080-90 | 90 | 219 | 237 | - | - | - | - |
| DHK080-96 | 96 | 231 | 250.2 | - | - | - | - |
| DHK080-102 | 102 | 243 | 263.4 | - | - | - | - |
| DHK080-108 | 108 | 255 | 276.6 | - | - | - | - |
| DHK080-114 | 114 | 267 | - | - | - | - | - |
| DHK080-120 | 120 | 279 | - | - | - | - | - |

Conductor Specification: 2A with AWG26# color Teflon conductor, 5A with AWG22# color Teflon conductor
 10A uses AWG18# color Teflon conductor (or AWG16# flexible color PVC insulated conductor).
 15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor).
 20A uses AWG14# color Teflon conductor (or AWG12# flexible color PVC insulated conductor).
 25A uses AWG12# color Teflon conductor.

Length of product combinations with arbitrary number of channels (n2, n5, n10, n15, n20, n25) (mm):
 $L = 39 + 2 \cdot n2 + 2.2 \cdot n5 + 2.5 \cdot n10 + 3 \cdot n15 + 3.5 \cdot n20 + 4 \cdot n25$

DHK90 con foro passante 90mm



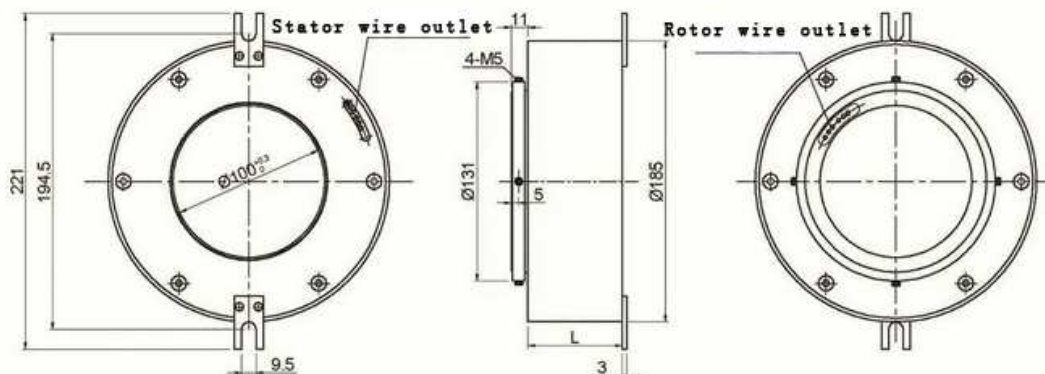
| Item No. | Ring Number | 2A Length | 5A Length | 10A Length | 15A Length | 20A Length | 25A Length |
|------------|-------------|-----------|-----------|------------|------------|------------|------------|
| DHK090-6 | 6 | 51 | 52.2 | 54 | 57 | 60 | 63 |
| DHK090-12 | 12 | 63 | 65.4 | 69 | 75 | 81 | 87 |
| DHK090-18 | 18 | 75 | 78.6 | 84 | 93 | 102 | 111 |
| DHK090-24 | 24 | 87 | 91.8 | 99 | 111 | 123 | 135 |
| DHK090-30 | 30 | 99 | 105 | 114 | 129 | 144 | 159 |
| DHK090-36 | 36 | 111 | 118.2 | 129 | 147 | 165 | 183 |
| DHK090-42 | 42 | 123 | 131.4 | 144 | 165 | 186 | 207 |
| DHK090-48 | 48 | 135 | 144.6 | 159 | 183 | 207 | 231 |
| DHK090-54 | 54 | 147 | 157.8 | 174 | 201 | - | - |
| DHK090-60 | 60 | 159 | 171 | 189 | 219 | - | - |
| DHK090-66 | 66 | 171 | 184.2 | 204 | - | - | - |
| DHK090-72 | 72 | 183 | 197.4 | 219 | - | - | - |
| DHK090-78 | 78 | 195 | 210.6 | - | - | - | - |
| DHK090-84 | 84 | 207 | 223.8 | - | - | - | - |
| DHK090-90 | 90 | 219 | 237 | - | - | - | - |
| DHK090-96 | 96 | 231 | 250.2 | - | - | - | - |
| DHK090-102 | 102 | 243 | 263.4 | - | - | - | - |
| DHK090-108 | 108 | 255 | 276.6 | - | - | - | - |
| DHK090-114 | 114 | 267 | - | - | - | - | - |
| DHK090-120 | 120 | 279 | - | - | - | - | - |

Conductor Specification: 2A with AWG26# color Teflon conductor, 5A with AWG22# color Teflon conductor
 10A uses AWG18# color Teflon conductor (or AWG16# flexible color PVC insulated conductor).
 15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor).
 20A uses AWG14# color Teflon conductor (or AWG12# flexible color PVC insulated conductor).
 25A uses AWG12# color Teflon conductor.

Length of product combinations with arbitrary number of channels (n2, n5, n10, n15, n20, n25) (mm):

$$L=39+2*n2+2.2*n5+2.5*n10+3*n15+3.5*n20+4*n25$$

DHK100 con foro passante 100mm



| Item No. | Ring Number | 2A Length | 5A Length | 10A Length | 15A Length | 20A Length | 25A Length |
|------------|-------------|-----------|-----------|------------|------------|------------|------------|
| DHK100-6 | 6 | 59 | 60.2 | 62 | 65 | 68 | 71 |
| DHK100-12 | 12 | 71 | 73.4 | 77 | 83 | 89 | 95 |
| DHK100-18 | 18 | 83 | 86.6 | 92 | 101 | 110 | 119 |
| DHK100-24 | 24 | 95 | 99.8 | 107 | 119 | 131 | 143 |
| DHK100-30 | 30 | 107 | 114 | 122 | 137 | 152 | 167 |
| DHK100-36 | 36 | 119 | 127.2 | 137 | 155 | 173 | 191 |
| DHK100-42 | 42 | 131 | 140.4 | 152 | 173 | 194 | 215 |
| DHK100-48 | 48 | 143 | 153.6 | 167 | 191 | 215 | 239 |
| DHK100-54 | 54 | 155 | 166.8 | 182 | 209 | 236 | 263 |
| DHK100-60 | 60 | 167 | 180 | 197 | 227 | 257 | 287 |
| DHK100-66 | 66 | 179 | 193.2 | 212 | 245 | - | - |
| DHK100-72 | 72 | 191 | 206.4 | 227 | 263 | - | - |
| DHK100-78 | 78 | 203 | 219.6 | 242 | - | - | - |
| DHK100-84 | 84 | 215 | 232.8 | 257 | - | - | - |
| DHK100-90 | 90 | 227 | 246 | 272 | - | - | - |
| DHK100-96 | 96 | 239 | 259.2 | 287 | - | - | - |
| DHK100-102 | 102 | 251 | 272.4 | - | - | - | - |
| DHK100-108 | 108 | 263 | 285.6 | - | - | - | - |
| DHK100-114 | 114 | 275 | - | - | - | - | - |
| DHK100-120 | 120 | 287 | - | - | - | - | - |

Conductor Specification: 2A with AWG26# color Teflon conductor, 5A with AWG22# color Teflon conductor
 10A uses AWG18# color Teflon conductor (or AWG16# flexible color PVC insulated conductor).
 15A uses AWG16# color Teflon conductor (or AWG14# flexible color PVC insulated conductor).
 20A uses AWG14# color Teflon conductor (or AWG12# flexible color PVC insulated conductor).
 25A uses AWG12# color Teflon conductor.

Length of product combinations with arbitrary number of channels (n2, n5, n10, n15, n20, n25) (mm):

$$L=47+2*n2+2.2*n5+2.5*n10+3*n15+3.5*n20+4*n25$$