

Пружинные тормоза DYW

Технические характеристики

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DYW

Spring Applied Brake



Size: 01, 02, 03, 04, 05, 06, 07, 08, 09

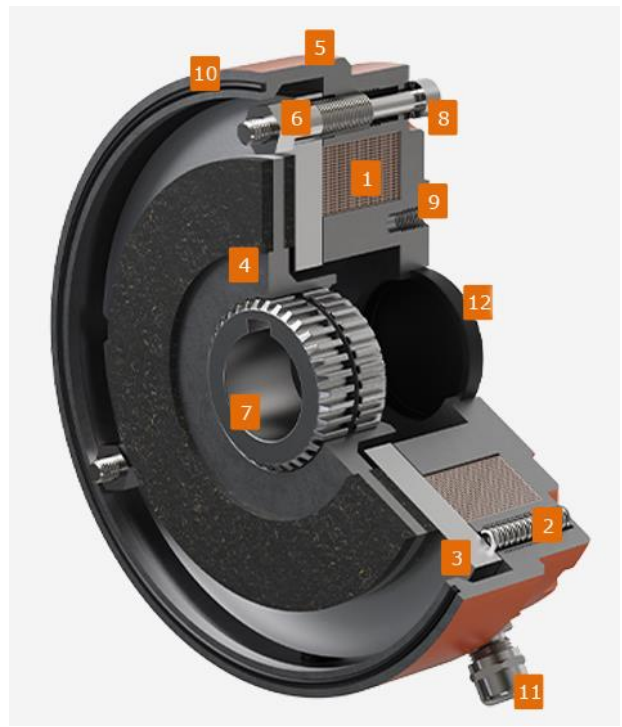
Product Features:

- Torque in the range of 5 - 500 Nm
- 9 different sizes
- Standart voltages 24 V, 48 V, 98 V, 190 V
- Designed modular structure and easy assembly for applications
- Protection class in the range of IP66 IP 67 on request
- HC class enamel coil wire insulation (200 °C)
- Metal parts are coated to resist corrosion Brake coil insulated with epoxy resin Short switching times
- Brake operating sound level < 70 dB
- Asbestos-free, low wear rate and long life pads
- It is designed according to 100% working principle Durable design up to -40 °C with cold climate version (CCV) (optional)
- Noise reduction < 45 dB (optional)

Operating Principles

DYW series brakes are spring applied brakes and do the braking when energy is not applied. When energy applies to the brake coil (1), a magnetic field creates. This magnetic field overcomes the force of the pressure springs (2) and ensures that the pressure flange (3) compresses the springs and pull them towards the coil. As a result, the brake pad (4), which has friction surfaces on both sides, releases. When the energy is cut off, the magnetic field disappears, the compressed springs releases and they ensures the pressure flange to be push towards the brake pad and braking.

- 1 Brake Coil
- 2 Pressure Spring
- 3 Pressure Flange
- 4 Brake Pad
- 5 Brake Body
- 6 Working Gap Adjustment Bolt
- 7 Brake Hub
- 8 Brake Connection Screw
- 9 Double Brake Connection Hole
- 10 Sealing Ring
- 11 Cable Exit Grand
- 12 Blind Cover



DYW | DYW01-DYW01 TECHNICAL DATA Model Teknik Verileri

DYW | DYW02-DYW02 TECHNICAL DATA Model Teknik Verileri

DYW | DYW03-DYW03 TECHNICAL DATA Model Teknik Verileri

DYW | DYW04-DYW04 TECHNICAL DATA Model Teknik Verileri

DYW | DYW05-DYW05 TECHNICAL DATA Model Teknik Verileri

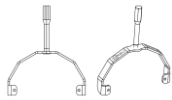
DYW | DYW06-DYW06 TECHNICAL DATA Model Teknik Verileri

DYW | DYW07-DYW07 TECHNICAL DATA Model Teknik Verileri

DYW | DYW08-DYW08 TECHNICAL DATA Model Teknik Verileri

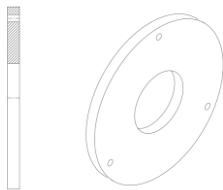
DYW | DYW09-DYW09 TECHNICAL DATA Model Teknik Verileri

Optional Parts



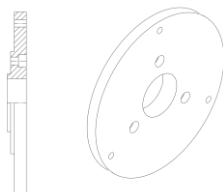
Hand Release (MK)

The hand release uses to release the brake manually. After release, the hand release returns automatically to its main position. This hand can be assemble on brake subsequently.



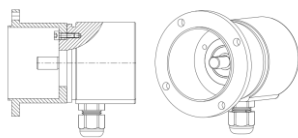
Mounting Flange

The mounting flange is the flange that uses when is no suitable friction surface on the existing motor cover or counter surface



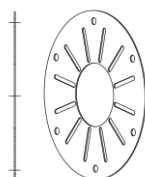
Double Brake Mounting Flange (DB)

It is a special flange designed to connect the second brake when double brake application is required and safety requirements are high



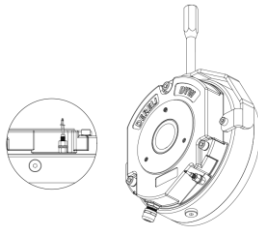
Encoder Flange

It is a special flange designed for assembly the encoder to the brake according to the appropriate brand and model of the encoder in cases where it is necessary to assembly the encoder.



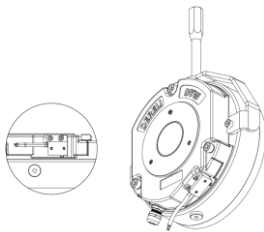
Stainless Steel Friction Plate

The hand release uses to release the brake manually. After release, the hand release returns automatically to its main position. This hand can be assemble on brake subsequently.



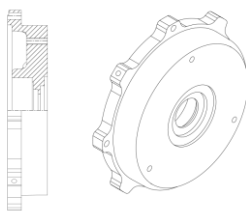
Proximity Switch

Proximity switch provides monitoring of brake switching function and pad wear. It provides remote monitoring the brake and gives information about its operating state. By following the wear distance of the brake pad (0.8 mm), in case of negative situations caused out of tolerance working gap distance, the situation detects with the help of the sensor and the general system keeps under control.



Micro Switch

Micro switch provides monitoring the switching function of the brake. Monitoring the brake remotely, the operating performance of the brake can be observe and obtain informations in case of negative situation.



Motor Connection Cover

At brake assemblies uses special brake connection cover for motors. These covers are manufactured according to motor brands, from 63 type to 250 type (ELK, GAMAK, Volt, W

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