



FDS Series –  
compact enclosed brake



## FDS Series – compact enclosed brake

The compact FDS IP 65 Brake Series was developed as solution for applications which require an economical totally enclosed brake which is protected against dirt, dust or moisture. Because of the specially designed magnet body this brake is most effective as a holding or parking brake with emergency stop features.

**Applications:** Industrial Trucks, Stair Lifts, Solar fields, CNC Machines, etc.

### Features:

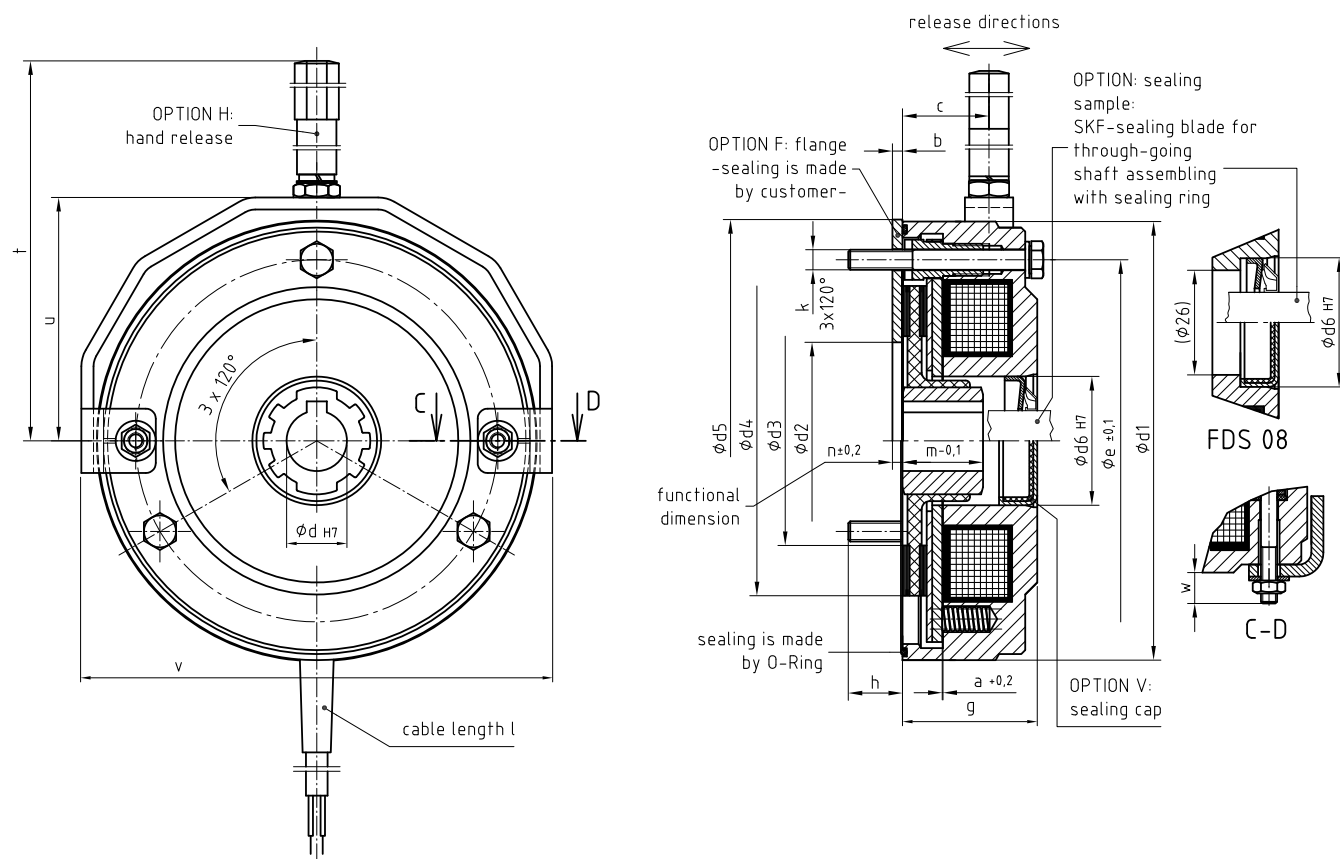
- Compact design
- O-Ring Seals against the Motor End Shield or Flange
- Easy, Simple and Fast Assembling

### Optionen:

- Manual Hand Release
- Mounting Flange



## FDS Series – compact enclosed brake



| Size   | Braking torque (Nm) | P 20 °C (Watt) | a (+0,2) | b   | c    | Hub ød H7   | ød1 | ød2 | ød3 | ød4 |
|--------|---------------------|----------------|----------|-----|------|-------------|-----|-----|-----|-----|
| FDS 08 | 5 / 7,5**           | 28             | 0,2      | 1,5 | 20,5 | 12 / 15*    | 89  | 38  | 42  | 62  |
| FDS 10 | 10 / 15**           | 35             | 0,2      | 2   | 21,5 | 15 / 20*35* | 109 | 49  | 50  | 78  |
| FDS 13 | 20 / 25**           | 46             | 0,3      | 2,5 | 24,5 | 20 / 25     | 134 | 60  | 62  | 96  |

| Size   | ød5 | ød6 (H7) | øe (±0,1) | g    | h   | k (3x120°) | l   | m (-0,1) | n (±0,2) | t   | u    | v   | w   |
|--------|-----|----------|-----------|------|-----|------------|-----|----------|----------|-----|------|-----|-----|
| FDS 08 | 90  | 32***    | 72        | 31,5 | 8,5 | M4x40      | 400 | 18       | 1,5      | 103 | 53   | 94  | 6   |
| FDS 10 | 110 | 32       | 90        | 31,5 | 9,5 | M5x40      | 400 | 20       | 2        | 111 | 60,5 | 117 | 7,7 |
| FDS 13 | 135 | 42       | 112       | 39,5 | 12  | M6x50      | 500 | 20       | 2,5      | 138 | 76,5 | 142 | 10  |

Dimensions in mm, Standard keyway in accordance with DIN 6885/1 - JS9

\*) Keyway in accordance with DIN 6885/3 - JS9, \*\*) Holding brake with emergency stop features

\*\*\*) not continuous, see special section view FDS 08



## Company Information:

Precima Magnettechnik GmbH was founded in the year 1981 and is today established as an independent, medium sized, innovative family owned brake manufacturer. With our staff of more than 150 employees we develop and produce a wide range of electro-magnetic operated brakes and clutches for all kinds of applications in machine and other industries. Our standard range of products covers a performance scope of braking torques between 0.5 and 1,500 Nm.

Thanks to our advanced CNC machining technology and well organized assembly lines we produce more than 500,000 units per year. The high rate of self manufactured parts provides us with a maximum of flexibility and allows for short response times. Our own highly qualified and experienced engineering and development departments are specialized in producing customized brake solutions on a very high technical and economic standard.



### PRECIMA MAGNETTECHNIK GmbH

Röcker Straße 16  
31675 Bückeburg / Germany  
Tel.: ++49(0)5722 89332-0  
Fax: ++49(0)5722 89332-2  
E-Mail: [info@precima.de](mailto:info@precima.de)

[www.precima.de](http://www.precima.de)