

INTORQ BFK558 Sync

Developed for the next generation of motors (IE5).

The INTORQ BFK558 Sync spring-applied brake was specifically developed to meet the increasing demands of highly efficient IE5 synchronous motors. It offers up to 30% more braking torque for the same size compared to standard series, thereby enabling higher power density.

As a fail-safe holding brake with an emergency stop function, it combines high braking performance with proven durability. Thanks to compatible mounting dimensions, a preset air gap, and a modular design, the BFK558 Sync can be easily integrated into existing and new motor designs. Typical applications include intralogistics, mechanical engineering, and material handling.



Benefits at a glance

- 30% more braking torque thanks to increased spring force
- Proven mounting dimensions of the BFK series
- Flexible selection of proven friction linings from the INTORQ BFK portfolio (upon request)
- Wide range of equipment and configuration options
- Short delivery times
- Proven quality and reliability

Technical Data¹

Brake sizes	08, 10, 12 – more to come
Standard rated voltages	24 V, 103 V, 180 V, 205 V
Protection class	IP00 – IP55 - IP65 in progress
Thermal class	F (155 °C)
Ambient temperature	-20 °C to 40 °C -40 °C to 40 °C (CCV option)
Rated Torques	Size 08: 14 Nm / 10: 35 Nm / 12: 64 Nm
Duty Cycle	100 % duty cycle
Options	Friction plate, flange, manual vent, cover ring, sealing cap, threaded holes, ... Sizes 10, 12: Microswitches for ventilation control, monitoring of the armature disc

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Questions? Contact the BFK558 Sync project team now!

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