

Motor Presse: press motor:

Artikel-Nr. <small>item number</small>	Getriebe typ <small>gear type</small>	Motor typ <small>motor type</small>	Schaltungsart <small>connection</small>	Wicklungsschutz <small>winding protector</small>	Ex-Schutz (Kategorie) <small>Ex-protection (category)</small>	Motorart <small>type of motor</small>	Motorleistung [kW] <small>nominal power [kW]</small>	Nennspannung [V] <small>nominal voltage [V]</small>	Nennfrequenz [Hz] <small>nominal frequency [Hz]</small>	Motorstrom [A] <small>nominal current [A]</small>	Motorumdrehzahl [RPM] <small>motor nominal speed [rpm]</small>	Nenn Drehmoment M1 [IE4] <small>nominal torque M1 [IE4] [Nm]</small>	Statorwiderstand (Rs) [Ohm] <small>stator resistance (Rs) [Ohm]</small>	Indukt. D-Achse (Ld) [mH] <small>inductance D-axis (Ld) [mH]</small>	Indukt. Q-Achse (Lq) [mH] <small>inductance Q-axis (Lq) [mH]</small>	Motorpolzahl <small>number of motor poles</small>	Gegen-EHK bei 1000 RPM [V] <small>back EMF at 1000 rpm [V]</small>	max. Dauer-Motorstrom [A] <small>max. continuous current [A]</small>	max. Dauerstrom M1 [Hz] <small>max. conth. torque M1 [Hz]</small>	Anlaufstrom, Spitzenstrom (Is) [A] <small>start current, peak current (Is) [A]</small>	Spitzenstrommoment M1 [Nm] <small>peak torque M1 [Nm]</small>	Getriebeübersetzung i <small>gear ratio i</small>	Nennmoment M2 [Nm] <small>rated torque M2 [Nm]</small>	Schutzart <small>protection</small>	Wirkungsgrad <small>power factor</small>	cos phi <small>cos (phi)</small>	TE-Zeit <small>temperature rise time IE</small>	Spannung Brems [V] <small>brake voltage [V]</small>	Spannung Anti-Kondensat. <small>anti-condensation heating [V]</small>
50999063 BG.: 620.2	EL2604 Brevini	100T2/4TF/Nord	Y	PTC PTC	Nein no	PM	3	338	70	5,4	2100	13,6	1,33	22,6	45,9	4	n/a	n/a	42,0	16,5	n/a	1920	26112,00	n/a	n/a	n/a	n/a	n/a	n/a

**maschinenspezifische FU-Einstellung (Beispielvorgaben DANFOSS):
machine-specific FC-parameters (example settings DANFOSS):**

FU-Parameter FC-Parameter	Thermischer Motorschutz <small>motor thermal protection</small>	max. Sollwert [Hz] <small>max. reference [Hz]</small>	Rampenzeit auf [s] <small>ramp up time [s]</small>	Rampenzeit ab [s] <small>ramp down time [s]</small>	Drehrichtung <small>direction</small>	min. Frequenz [Hz] <small>min. frequency [Hz]</small>	max. Frequenz [Hz] <small>max. frequency [Hz]</small>	Drehmomentgrenze M1 [%] <small>max. torque M1 [%]</small>	Stromgrenze [%] <small>current limit [%]</small>	Max. Soll/Istwert <small>Max. Soll/Istwert Terminal 54 High Ref./Feedb.</small>	Max. Ausgang max. Skalierung <small>Max. Output max. Scaling (max. 200%) Terminal 42 Output Max. Scale (max. 200%)</small>	Verzögerung Stromgrenze [s] <small>delay max. current [s]</small>	Verzögerung Drehmomentgrenze [s] <small>delay max. torque M1 [s]</small>	Abschlerter Eckwert für Touch <small>(20mA = s Nm) final scaled value for touch display (20mA s x Nm)</small>
FC-280 FC-302	Thermistor Abschalt. Thermistor tip	70	3	1	beide both	10	70	92% 92%	92%	70	159,36 159,36	3	1	20 20

**Auslegungsbasis
basic calculation**

Ausgelegtes Drehmoment <small>Motorwelle [Nm] calculated torque motor shaft [Nm]</small>	Dauerstrom FU [A] <small>nominal current FC [A]</small>	Ausgelegte Drehzahl Motorwelle <small>[RPM] calculated speed motor shaft [rpm]</small>
12,5	4,96	2112