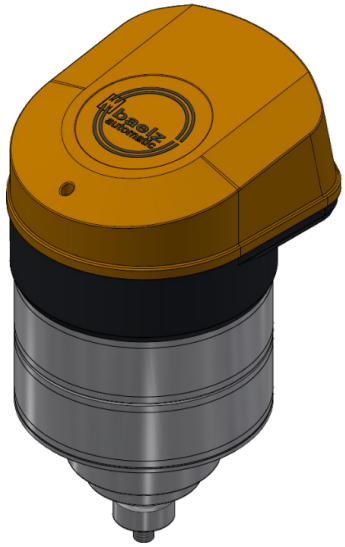


baelz 373-E08

The model shown here is baelz 373-E08-SFx-20-24V.
For an actuator force of up to 2000 N, the fail-safe function is implemented with two flat coil spring modules.

baelz 373-E08

DESCRIPTION

Modular linear actuator with optional fail-safe function, for regulation and control of process valves and ejectors.

ADVANTAGES AT A GLANCE

- Modular system for a wide range of applications
- Mechanical fail-safe function (TÜV approved)
- Automatic stroke length detection
- Variable force and speed
- End position sensor using motor current
- User-friendly connection and operating concept
- On-site operation with control and display element
- Bus connection with RS485 Modbus RTU
- Robust design für maximum service life
- Wear-free position monitoring
- Integrated heating function for low ambient temperatures
- Economical operation due to low power consumption
- Preventive maintenance with diagnostic function

Technical Specifications, baelz 373-E08	
Power supply	24 V DC +/- 15%
Casing	plastic / aluminium
Assembly / yoke	baelz S21 / S21-L / S41 / S41C / ISO-5211
Stroke	max. 48 / 70 mm
Postion indicator	on the valve coupling
Manual positioning	electric / using 8 mm T-handle hex key
Motor technology	brushless DC motor
Connection	Push-In wire connectors
Cable glands	3x M16 / 2x M20
Ambient temperature	Operating: 0…50°C, Storage: -20…60°C
Ambient humidity	5…90% RH (non-condensing)
IP rating	IP65
Analog inputs (AI)	2x 0(2)…10 V / 0(4)…20 mA / PT100: -40…300°C / DI 24 V DC
Analog outputs (AO)	1x 0(2)…10 V, Load: > 500Ω oder 0(4)…20 mA, Load: < 500Ω
Digital inputs (DI)	3x 24 V DC, 6 mA, potential free, galvanically isolated
Digital outputs (DO)	3x 24 V DC NO, max. 500 mA, potential free, galvanically isolated
Weight	approx. 3-12 kg, depending on model

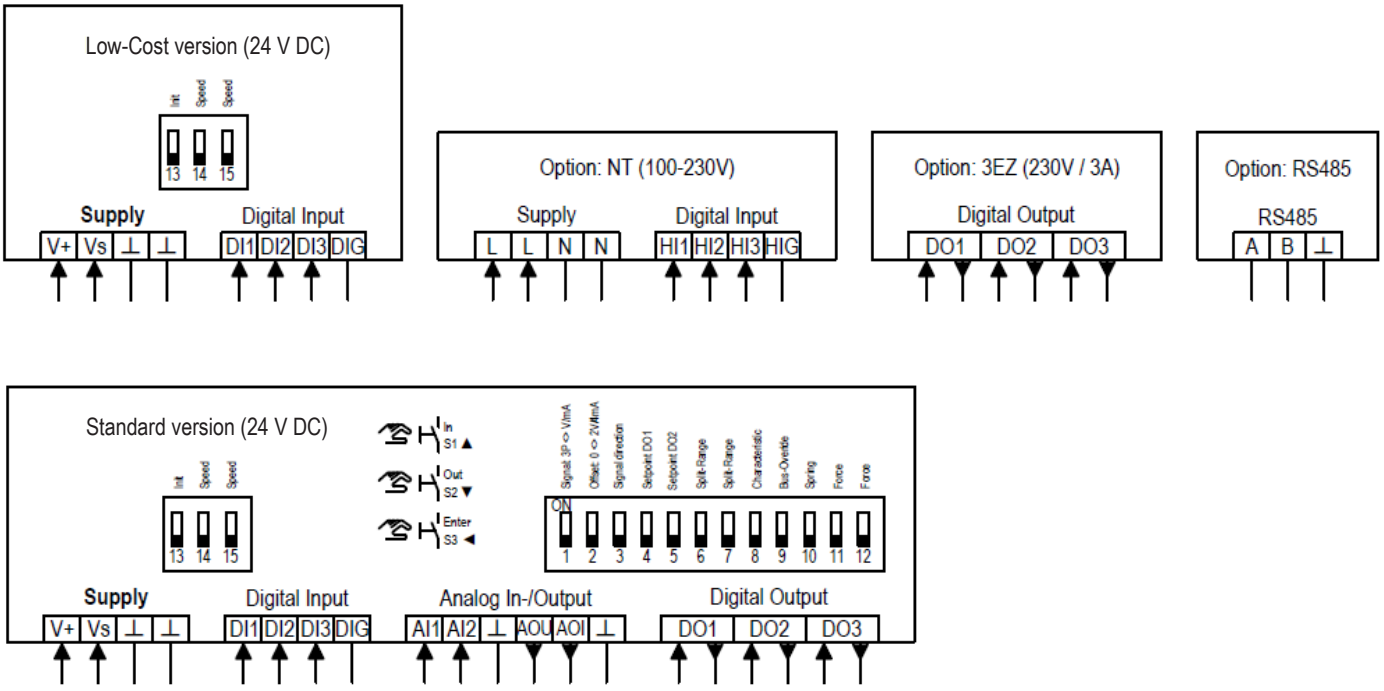
W. Baelz & Sohn GmbH & Co. • Koepffstrasse 5 • 74076 Heilbronn • Germany • mail@baelz.de • **www.baelz.de**

Baelz Type	Description	Force (N)	Speed (mm/min)
373-E08-40-24V	electric linear actuator	1000-4000	10-100
373-E08-120-24V	electric linear actuator	8000-12000	5-50
373-E08-SFx*-10-24V	electric linear actuator with fail-safe	1000	10-100
373-E08-SFx*-20-24V	electric linear actuator with fail-safe	2000	10-100

* Fail safe function available as SFD = spindle extends or SFZ = spindle retracts

Extras ZB373-	Description
ZB373-E08-NT	Power supply unit and 3x DI in 230 V
ZB373-E08-2EZ	3x DO in 230 V as relays with max. 3A (2x NO, 1x NC)
ZB373-E08-USB	USB interface for advanced configuration
ZB373-E08-RS485	RS485 interface for networking with other devices
ZB373-E08-EAB	external display and control module

Wiring diagrams, modular electric actuator baelz 373-E08



W. Baelz & Sohn GmbH & Co. • Koepffstrasse 5 • 74076 Heilbronn • Germany • mail@baelz.de • **www.baelz.de**