ENGEL ElektroMotoren AG	**Drive** **Requirements profile**	**Id.-No.:** **VT - FB - 002** Rev.: A date: 30.11.2021

Name, first name	
Company	
Address	
Email	
Phone number	

motor selection

☐ brushed drive

☐ brushless drive

☐ with gearbox

☐ with drive controller

Gearbox

☐ planetary gear i = ____ : 1

☐ worm gear i = ____ : 1

☐ spur gear i = ____ : 1

Requirement data

nominal voltage: ☐ 24VDC ☐ 48VDC ☐ other ____ VDC

output speed: ____ rpm

output torque: ____ Nm

Operation mode:

☐ S1(continuous operation) ☐ S3(Intermittent duty) ____ % ☐ other ____

If S3 or other is selected, please provide a description of the load cycle (on/off duration).

____

Protection class:

☐ IP54 ☐ IP65 ☐other protection class: ____

Environmental conditions:

☐ 0-40C° ☐ other temperature ____ C°

☐ Humidity ____

Drive controller:

☐ Classic control via I/Os and analog setpoint specification

Fieldbus interface:

☐CANopen ☐Profinet ☐Ethernet ☐ other

Encoder system / details

☐Hall ☐Incremental ☐Absolut ☐sin/cos

☐5V$_{TTL}$ ☐24V$_{HTL}$ ☐ other V

☐ Incremental encoder

Type / resolution information (number of lines)

☐ Absolute encoder

Type / resolution information (number of lines) / interface

Regulation / Control

☐Speed ☐Torque ☐Positioning

Description of the desired functionality

Holding brake, if desired (standard = de-energized closed)

☐ 24 V$_{DC}$ ☐ other V$_{DC}$ ☐**Reversed operating principle (de-energized open)**

Others

☐ Available space

☐ Wishes regarding the output shaft / output flange

☐ Other special features / wishes

☐ Application description

☐ Sketch of the load cycle (torque-time curve)