

PROJECT- QUESTIONNAIRE (please double click grey fields)
for RACO-ELEKTROZYLINDER® with RACOMATIC®

client: _____ contact: _____ tel.: _____ fax.: _____
zip code: _____ eng.: _____
city: _____ purchase: _____
street: _____ e-Mail: _____

client reference number: _____ project: _____ date: _____

your industrial sector: _____ your target market: _____
 Bulk Material Handling Cranes / Lifters Steel industry Power Industry
 Hydromechanical equipment Automotive (Handling) Test facility other

Description of the application: operation of

Specific safety regulations have to be observed? Yes No If yes, please indicate the reference number
Expected axial shocks onto the rod? Yes No

Function of the electric actuator (required):

lifting lowering pressing closing sliding (horizontal) slew round (horizontal)

Product (catalog selection): _____ **quantity:** _____ **Budget:** _____ **further demand:** Yes No

0 Operation parameter: Switches per hour: _____ operating hours per day: _____
estimated operating hours per year: _____
Is a fail safe position, effected by outer load in the case of power loss, required? Yes No

1 Voltage: 3 x 380-500VAC, 50-60Hz 1 x 200-240 VAC 50-60 Hz 1 x 110-120VAC, 50-60Hz
Brake: Typ „L“ => Holding brake; open in energized condition

2 Linear rod speed: min. mm/s, max. mm/s position accuracy: mm
Travel time (incl. ramps,.....): sec. up to sec.
Type of Spindle (preferred): trapezoidal screw ball screw

3 Thrust force: kN **static load:** kN **load guided?** Yes No
Load direction: push pull push and pull (load direction changes)
Mounting position: horizontal vertical (Motor up) vertical (Motor down) inclined in an angle of deg.

4 Stroke: mm = usable stroke: mm + stroke reserve: mm

5 Design: straight (A or M) angled (T) parallel (C or N)



6 Fixing elements: trunnion pins foot brackets cardanic Front flange
 flexible joint fork head rod eye adapter with thread :

7 Environment / side conditions: Ambient temperature °C up to °C Climate zone:

Climate: dry dusty humid tropical
Instatllation: out door seaside, out door with roof in door
Protection class: IP 54 IP 65 other

8 Colour shade: RACO blue, similar to RAL 5010 _____ (Option)

9 Accessories / Options: _____

FB 157-464-7 Rev.4 RACOMATIC_Projektbogen (englisch)

10 RACOMATIC® Configurations

	Configurations		frequency converter motor integrated	frequency converter separate mounted (with 5m cable)	frequency converter cabinet installation (max. 70m cable length)
			<input type="checkbox"/> wiring diagram No.	<input type="checkbox"/> wiring diagram No.	<input type="checkbox"/> wiring diagram No.
<input type="checkbox"/>	A	2 adjustable end positions	157-101-0 / 158-280-1	157-102-8	157-103-6
<input type="checkbox"/>	B	8 adjustable positions	157-104-4 / 158-281-0	157-105-2	157-106-0
<input type="checkbox"/>	C	analog input for variable positioning	157-107-9 / 158-282-8	157-108-7	157-109-5
<input type="checkbox"/>	D	thrust controlled electric actuator	157-110-9 / 158-283-6	157-111-7	157-112-5
<input type="checkbox"/>	E	variable control via field bus	157-113-3 / 158-284-4	157-114-1	157-115-0
<input type="checkbox"/>	F	synchronization control	157-116-8 / 158-285-2	157-117-6	157-118-4

Note: for configuration C and D the analog input is part of the standard equipment.
 The wiring diagram number in blue colour shade indicate the execution with terminal connection.

11 Control Options

- two digital feedback signals for position reached confirmation (REL1, REL2)
 - feedback of actual position via analog signal 0 to 10V
 - feedback of actual position via analog signal 4 to 20mA
 - adjustable speed range, manually via control dial at the RACOMATIC® (*)
 - selectable acceleration out of the available acceleration range
 - adjustable thrust, manually via control dial at the RACOMATIC® (*)
 - adjustable "crawl speed" function
 - electronic hand wheel via RACOMATIC®-Tool
- (*) = only for motor with integrated frequency inverter and for wall mounted inverter

12 Hardware Options

- Holding brake "L" (open in energized condition), internally wired in case of switching cabinet mounting: 24 VDC controlled by RACOMATIC®.
- Internal 24 VDC power supply for RACOMATIC®
- Brake resistor for four quadrant operation
- External auxiliary fan powered by client 24V DC
- External auxiliary fan powered by client 230V AC
- Profibus DP CANopen Profinet (only for cabinet installation)
- DeviceNet Ether Cat

13 Information / Sketch:

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