

Elektroschaltgeräte Meerane GmbH

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Bid form starter selection for three phase slip ring motor

Name	<div style="border: 1px solid black; width: 340px; height: 90px;"></div>
Position	
Company	
Address	
Telephone	
Fax	
Email	

Projekt	<div style="border: 1px solid black; width: 340px; height: 20px;"></div>
Driven on machine	<div style="border: 1px solid black; width: 340px; height: 20px;"></div>

Desired starter-type	<div style="border: 1px solid black; width: 340px; height: 20px;"></div>
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RAL-no./color	<div style="border: 1px solid black; width: 140px; height: 20px;"></div>
Protective system	<div style="border: 1px solid black; width: 140px; height: 20px;"></div>
Rotor cable glands	<div style="border: 1px solid black; width: 140px; height: 20px;"></div>
existing Gate voltage	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> V AC3~
	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> V AC1~

Selection fields for Three-phase Liquid Rotor Starter

- integrated sequential control
- Frequency converter phase (for variables starting times)
- Short circuit-contactor
- Electrolyte heater for Liquid Rotor Starter
- Tandem design (double starter)
- cooling water present? (about 300l/min, 30°C)
- Rotor anti-blocking device
- EX-protection
- Steerage motor brush lifting device

Values preset:

Engine rating P_N	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> kW
Mains frequency	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> Hz
Rated voltage u_1	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> V

Rotor rated current i_2	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> A
Rotor rated voltage u_{20}	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> V

maximal ambient temperature	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> °C
minimal ambient temperature	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> °C
Altitude over normal zero	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> m

No. of cons. starts z (inruns to limit temperature)	<div style="border: 1px solid black; width: 140px; height: 20px;"></div>
Starts per hour h (inruns per hour)	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> h ⁻¹

Starting duty f	<div style="border: 1px solid black; width: 140px; height: 20px;"></div>
Starting time t_a	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> s

optionally values to f-, t_a - and belt slip - calculation:

Motor rated torque M_N	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> Nm
Motor rated speed	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> U/min
minimale Motor rated torque at regular work	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> U/min
Number of pole pair	<div style="border: 1px solid black; width: 140px; height: 20px;"></div>
Moment of inertia of the rotor J	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> kgm ² (GD ² /4)
Moment of inertia of riven machine J	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> kgm ² (GD ² /4)
Pullout torque M_K	<div style="border: 1px solid black; width: 140px; height: 20px;"></div> Nm

Additional customer specifications: