DEIF A/S

Synchronising Equipment, Electr. Pot. Meters

	LED Synchroscopes, RSQ-3	Check Synchronising Relays, CSQ-3	
Main function:	Electronic synchroscope.	Combined check synchronising relay and synchroscope.	
Size (mm):	Q96	Q96	
Customised scale:	✓	✓	
Exchangeable scale:	-	-	
Protection IP52:	✓	✓	
Protection IP54 on request:	-	-	
Mains voltage:	100127V AC (115V AC) 220240V AC (230V AC) 380415V AC (400V AC) 440480V AC (450V AC)	100127V AC (115V AC) 220240V AC (230V AC) 380415V AC (400V AC) 440480V AC (450V AC)	
Frequency range:	4070 Hz	4070 Hz	
Contact rating:	-	250 V - 8 A - 2000 VA (AC) 24 V - 8 A - 200 W (DC)	
Approved by classification societies:	-	✓	

Phase Sequence Meters, **PHQ**



PHQ is a solid state phase sequence meter provided with 2 glow

Phase Sequence Relays, RMT-111Q96



RMT-111Q96 is a phase sequence relay with contacts and is applied

Lamp Synchroscopes, **LSQ**



Lamp synchroscope for indication

	discharge lamps for indication of correct or incorrect connection of the phases and phase breakage.	for check of the phase sequence. Provided with long-life LED indicators.	between generator and busbar prior to connection.
Size (mm):	Q96	Q96 (flush mounting)	Q96
Customisable scale:	✓	✓	✓
Exchangeable scale:	-	-	-
Protection IP52:	✓	✓	✓
Protection IP54 on request:	✓	✓	-
Mains voltage:	380440V AC	230V AC ±20% Max. 3 W 400V AC ±20% Max. 3 W	100-110 / 220-230-240 / 380-415-440V AC ±20%
Frequency range:	4565 Hz	4763 Hz	4070 Hz
Relay output:	-	Changeover switch	-
Approved by classification societies:	-	✓	-

Main function:

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Double Frequency Meters, **Double Frequency Meters,** Zero Voltage Meters, 2FQ 2FTQ **NEQ** Double pointer frequency meter, Double reed frequency meter with Zero voltage meter for indication of based on 2 moving coil instruments 2 rows of reeds. voltage match between generator Main function mounted diagonally. Accurate and and busbar prior to connection. linear read-out. Size (mm): Q96 Q96 Q72, Q96 Pointer deflection: 90° 90° Customised scale: Exchangeable scale: Protection IP52: Protection IP54 on request: 0.5 1.5 and 3.0 Accuracy class: 0.5 110-220 / 220-440 / 400-800V AC 45...55 / 55...65 / 45...65 Hz Scale/measuring range: 45...55 / 57...63 / 55...65 Hz Others on request (1.5...4 VA) 100-110-220-230-240-380-400-415-100...230V AC ±15% Measuring voltage: 400...440V AC ±15% 440V AC ±15% **Double Voltmeters, 2EVQ Double Voltmeters, 2EQ** Double voltmeter based on 2 Double voltmeter based on 2 Main function: moving iron systems mounted independent moving iron systems diagonally. with joint scale. Size (mm): Q96 Q96 Pointer deflection: 90° 90° Customised scale: Exchangeable scale: Protection IP52: Protection IP54 on request: Accuracy class: 1.5 1.5 Scale/measuring range: 0...150 / 300 / 600 V 0...150 / 250 / 500 V Measuring frequency: 50 or 60 Hz 50 or 60 Hz

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Synchronising Equipment, Electr. Pot. Meters

	Electronic Potentiometers, EPQ96-2
	Postrudo y potentidos de Propos de P
Main function:	Maintenance-free electronic potentiometer for control of AVRs and speed governors.
Size (mm):	Q96
Start/end value adjustment:	-/+10 V or -/+20 mA
PWM output:	06V DC 500 Hz ±50 Hz
Ripple:	2.5 mV or 5 uA RMS (13 bit)
Resolution:	5 m DC (12-bit D/A-converter)
Integrating time:	2.525 s or 12.5125 s
Response time:	< 0.1 s
Accuracy of adjustment:	±20% of potentiometer full scale
Supply voltage:	1224V DC -25%/+30%
Protection:	IP52 (panel front), IP20 (panel rear)