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NAFSA - ERC SERIES

ERC25-04/CC
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- Pull / push design, with optional spring
- Class B winding (130ºC)
- Duty cycle 0 to 100%
- Up to 191N force
- Customer specific version available

PRODUCT DESCRIPTION

The ERC series of electromagnets are a double acting push/pull solenoid.

When an electrical connection is made to to coil, the plunger moves through the magnetic field and pushes the shaft along its designated stroke.

Upon removing the electrical connection, the shaft remains in position and is returned with reverse polarity or optional return spring.

Many different standard versions are available (please see catalogue PDF below) and application specific designs can be provided for larger volume requirements.

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	63 W
Absorbed power @ 20°C, 15% duty	403 W
Absorbed power @ 20°C, 25% duty	247 W
Absorbed power @ 20°C, 40% duty	152 W
Absorbed power @ 20°C, 5% duty	123 W
Beginning of stroke force at 100% duty	44 N
Beginning of stroke force at 15% duty	14 N
Beginning of stroke force at 25% duty	106 N
Beginning of stroke force at 40% duty	82 N
Beginning of stroke force at 5% duty	23 N
End of stroke force at 100% duty	124 N
End of stroke force at 15% duty	254 N

End of stroke force at 25% duty	206 N
End of stroke force at 40% duty	176 N
End of stroke force at 5% duty	368 N
Function	pull/push
Insulation class	B(130ºC)
IP class	IP00
Spring return	Yes
Stroke	4 mm
Total weight	110 g
Voltage ac max	230 V
Voltage ac min	110 V
Voltage dc max	205 V
Voltage dc min	6 V
Voltage type	AC, DC



