Medium Stroke, Conical Face
Part Number: 191016-0XX

Performance

<table>
<thead>
<tr>
<th></th>
<th>100%</th>
<th>50%</th>
<th>25%</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum ON Time (sec)</td>
<td>∞</td>
<td>72</td>
<td>43</td>
<td>20</td>
</tr>
<tr>
<td>when pulsed continuously¹</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum ON Time (sec)</td>
<td>∞</td>
<td>132</td>
<td>56</td>
<td>22</td>
</tr>
<tr>
<td>for single pulse²</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Watts @ 20°C</td>
<td>41</td>
<td>82</td>
<td>164</td>
<td>410</td>
</tr>
<tr>
<td>Ampere Turns @ 20°C</td>
<td>2195</td>
<td>3105</td>
<td>4155</td>
<td>6945</td>
</tr>
</tbody>
</table>

Coil Data

<table>
<thead>
<tr>
<th>awg (0XX)³</th>
<th>Resistance (Ω)</th>
<th># Turns⁴</th>
<th>VDC (Nom)</th>
<th>VDC (Nom)</th>
<th>VDC (Nom)</th>
<th>VDC (Nom)</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>19.00</td>
<td>1512</td>
<td>28.0</td>
<td>40.0</td>
<td>56.0</td>
<td>88.0</td>
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<tr>
<td>24</td>
<td>31.20</td>
<td>1952</td>
<td>31.2</td>
<td>45.0</td>
<td>64.0</td>
<td>90.0</td>
</tr>
<tr>
<td>25</td>
<td>49.40</td>
<td>2468</td>
<td>49.4</td>
<td>66.0</td>
<td>90.0</td>
<td>142.0</td>
</tr>
<tr>
<td>26</td>
<td>78.00</td>
<td>3060</td>
<td>78.0</td>
<td>90.0</td>
<td>113.0</td>
<td>179.0</td>
</tr>
<tr>
<td>27</td>
<td>119.00</td>
<td>3740</td>
<td>119.0</td>
<td>90.0</td>
<td>113.0</td>
<td>179.0</td>
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<tr>
<td>28</td>
<td>184.00</td>
<td>4584</td>
<td>184.0</td>
<td>90.0</td>
<td>113.0</td>
<td>179.0</td>
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<tr>
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<td>5936</td>
<td>301.0</td>
<td>90.0</td>
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<td>179.0</td>
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<td>30</td>
<td>425.00</td>
<td>6750</td>
<td>425.0</td>
<td>90.0</td>
<td>113.0</td>
<td>179.0</td>
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<tr>
<td>31</td>
<td>683.00</td>
<td>8750</td>
<td>683.0</td>
<td>90.0</td>
<td>113.0</td>
<td>179.0</td>
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<tr>
<td>32</td>
<td>1110.00</td>
<td>11000</td>
<td>1110.0</td>
<td>90.0</td>
<td>113.0</td>
<td>179.0</td>
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<tr>
<td>33</td>
<td>1509.00</td>
<td>12050</td>
<td>1509.0</td>
<td>90.0</td>
<td>113.0</td>
<td>179.0</td>
</tr>
</tbody>
</table>

¹ Continuously pulsed at stated watts and duty cycle
² Single pulse at stated watts (with coil at ambient room temperature 20°C)
³ Other coil awg sizes available — please consult factory
⁴ Reference number of turns

Specifications

Dielectric Strength 23-27 awg, 1200 VRMS ; 28-33 awg, 1500 VRMS

Recommended

Minimum Heat Sink

Solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 20(1/4)" square by 1/8" thick

Maximum watts dissipated by

Watts: 25% Duty Cycle 164W
50% Duty Cycle 82W
100% Duty Cycle 41W

Field Strength

Holding Force 120.0 lb (533.7 N) @ 105°C

Weight 4.9 lb (2.2 kg)

How to Order

Add the coil awg number (0XX) to the part number
(for example: to order a 25% duty cycle unit rated at 90 VDC, specify 191016-025).

Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our North American distributors.

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Ledex® Low Profile Dimensions

Inches (mm)

All solenoids are illustrated in energized state

Size 6SF

Size 7EC

Size 8EC

All specifications subject to change without notice.

All solenoids are illustrated in energized state.

Inches (mm)

All specifications subject to change without notice.