FDF series solenoid valves are direct operated or pilot operated solenoid valves, mainly used in refrigerant control of various devices such as refrigerating and freezing systems, air conditioners and heat pumps.

**FEATURES**

- COILS: LOW ENERGY CONSUMPTION, RELIABLE
- GREAT VALVE OPENING PERFORMANCE, HIGH MOPD

**GENERAL SPECIFICATIONS**

- Applicable for all common HCFC, HFC refrigerants such as: R22, R134a, R404A, R407C, R410A, R507, R407A/F, R448A/R449A, R452A, R450A/R513A
- Medium temperature TS min./max.: -30°C / 120°C
- Ambient temperature min./max.: -30°C / +50°C
- Relative humidity: 0 to 95% RH
- Installation position: - Liquid, suction and discharge line
  - Coil upwards, coil axis ± 15° tolerance versus vertical axis
  - Flow direction corresponds to the arrow
- Certifications: UL/CSA* and declaration according to LVD or PED

**Note:** 1) Flammable refrigerants like R32, R290 on request
*For FDF 3A 08 on request
**Available also as industrial package. Contact Sanhua for more details.**
FDF (NC) SERIES

SOLENOID VALVE

DIMENSIONS - VALVE BODY

TECHNICAL PARAMETERS OF COIL

<table>
<thead>
<tr>
<th>Model Coil</th>
<th>Part Number*</th>
<th>Rated Voltage [V]</th>
<th>Supply</th>
<th>Power 1) [W]</th>
<th>Freq. [Hz]</th>
<th>Voltage Tolerance</th>
<th>Insulation Class</th>
<th>Wiring type</th>
</tr>
</thead>
<tbody>
<tr>
<td>FQ-A05 024-000709</td>
<td>10800072302</td>
<td>24</td>
<td>AC</td>
<td>5 (50Hz), 4,5 (60Hz)</td>
<td>50/60</td>
<td>-15% +10%</td>
<td>B</td>
<td>flying leads</td>
</tr>
<tr>
<td>FQ-A05 120-001098</td>
<td>10800062002</td>
<td>110 to 120</td>
<td></td>
<td>5 (50Hz), 4,5 (60Hz)</td>
<td>50/60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FQ-A05 22G-001022</td>
<td>10800057302</td>
<td>220 to 240</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: * Available also as industrial package. Contact Sanhua for more details.  
1) Power consumption based on 220V

DIMENSIONS - COIL

For complete product family information please visit us at
www.sanhuaeurope.com and download the full range of datasheet at TECHNICAL INFORMATION LINK.