Proportional Pressure Reducing Valve
PPCD04-NGPPRV

Model Code

<table>
<thead>
<tr>
<th>PPCD 04</th>
<th>-001</th>
<th>-a</th>
<th>-a</th>
<th>-20</th>
<th>-12</th>
<th>-J</th>
<th>-H</th>
<th>-0</th>
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</thead>
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Valve Style

- Special Version
  - up on request

Solenoid Type

- Cavity Type

Flow Characteristics

Step Response
(50°C Oil Temperature) \( t_1, t_2 < 50 \text{ ms} \)

Hydraulic Data

- Max Pressure (P, T)
  - \( p_P = 50 \text{ bar} \), \( p_T = 30 \text{ bar} \)
- Hysteresis (w/ PWM)
  - < 0.4 bar (\( p_A=20 \))
  - < 0.5 bar (\( p_A=25 \))
  - < 0.7 bar (\( p_A=32 \))
- Filter Screen
  - 125 μm
- Contamination Level
  - Min Filtration: 20/18/15
  - According to ISO 4406
- Fluid
  - Mineral Oil According to DIN 51524
- Temperature Range Fluid
  - -40 to +105°C
- Valve Specifications According to Thomas LHP-39

Electrical Data

- Voltage
  - 12V
  - 24V
- Resolution
  - 1500 mA
  - 750 mA
- Resistance
  - 4.72 Ω ± 5%
  - 20.8 Ω ± 5%
- Current Consumption (idle)
  - 24 mA (12V)
  - 20 mA (24V)
- Type of Control
  - Current Control
  - PWM 100 Hz Recommended
- Connector
  - AMP Junior Timer
  - Deutsch Connector DT04-2P
  - Lead wires
- Protection class
  - up to IP6K6 / IPX9K
- Conductor
  - Tinned copper strand UL 758 and CSA C 2.22
  - Material: CU-ETP1 acc. to DIN EN 13602:2002
- Insulation
  - Insulation: Soft-PVC, unleaded UL 1581-Tab. 50.182, Shore -hardness A
- Cable Length
  - 500 mm

Subject to modifications.
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Dimensions with Deutsch Connector
(All dimensions in mm)

Dimensions with AMP Jr. Connector
(All dimensions in mm)

Dimensions with Flying Leads
(All dimensions in mm)

Cavity Dimensions
(All dimensions in mm)

Cavity According Specification: TC06025

Current vs. Pressure
Less than 2% Hysteresis

p-I curve (12 V)

p-I curve (24 V)

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Subject to modifications.
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