PCD3.E613

8 digital inputs, 48 VDC, 9 ms, electrically isolated, source- or sink operation

Input module for source or sink operation with 8 inputs, electrically isolated by optocoupler. Suitable for most electronic and electromechanical switching elements at 48 VDC.

**Technical data**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of inputs</td>
<td>8 electrically isolated by optocoupler, source or sink operation, all inputs to the model in the same phase, the channels are not isolated from each other</td>
</tr>
<tr>
<td>Input voltage</td>
<td>48 VDC (30 … 60 VDC) smoothed or pulsed</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>- for source operation min. 30 VDC</td>
</tr>
<tr>
<td></td>
<td>- for sink operation min. 36 VDC</td>
</tr>
<tr>
<td>Input current</td>
<td>- for source operation: 2 mA</td>
</tr>
<tr>
<td></td>
<td>- for sink operation: 1.5 mA</td>
</tr>
<tr>
<td>Input delay</td>
<td>- off &gt; on 9 ms</td>
</tr>
<tr>
<td></td>
<td>- on &gt; off 9 ms</td>
</tr>
<tr>
<td>Resistance to interference acc. to IEC 801-4</td>
<td>4 kV under direct coupling</td>
</tr>
<tr>
<td></td>
<td>2 kV under capacitive coupling (whole trunk group)</td>
</tr>
<tr>
<td>Isolation voltage:</td>
<td>- Electrical isolated 1 000 VAC, 1 min.</td>
</tr>
<tr>
<td></td>
<td>- Optocoupler 2,5 kV</td>
</tr>
<tr>
<td>Consommation interne</td>
<td>- à partir du bus +5 V 1 ... 24 mA, typical 12 mA</td>
</tr>
<tr>
<td></td>
<td>- à partir du bus V+ 0 mA</td>
</tr>
<tr>
<td>External current consumption</td>
<td>max. 40 mA (source operation)</td>
</tr>
<tr>
<td></td>
<td>max. 18 mA (sink operation)</td>
</tr>
<tr>
<td>Terminals</td>
<td>Plug-in I/O spring terminal block, 10-pole up to 2.5 mm², labelled 0 to 9, connector type A</td>
</tr>
</tbody>
</table>

**LEDs and connection terminals**

LEDs and connection terminals

---

51-52-03-71 Rev.2.0 – Data Sheet – PCD3.E613

Honeywell Process Solutions
Input circuits and terminal designation

Source operation (positive logic):

Sink operation (negative logic):

Order details

<table>
<thead>
<tr>
<th>Type</th>
<th>Short description</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCD3.E613</td>
<td>8 digital inputs module with galvanic isolation,</td>
<td>Digital input module, 8 inputs, 48 VDC, with galvanic isolation, source and sink operation, 9 ms input delay connection with pluggable spring terminals, plug-in type A included</td>
<td>80 g</td>
</tr>
<tr>
<td></td>
<td>48 VDC, 9 ms</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Order details accessories

<table>
<thead>
<tr>
<th>Type</th>
<th>Short description</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 405 4954 0</td>
<td>Plug-in, type A</td>
<td>Plug-in I/O spring terminal block, 10-pole up to 2.5 mm², labelled 0 to 9, connector type A</td>
<td>15 g</td>
</tr>
</tbody>
</table>
ATTENTION
These devices must only be installed by a professional electrician, otherwise there is the risk of fire or the risk of an electric shock.

WARNING
Product is not intended to be used in safety critical applications, using it in safety critical applications is unsafe.

WARNING - Safety
The unit is not suitable for the explosion-proof areas and the areas of use excluded in EN 61010 Part 1.

WARNING - Safety
Check compliance with nominal voltage before commissioning the device (see type label). Check that connection cables are free from damage and that, when wiring up the device, they are not connected to voltage. Do not use a damaged device!

NOTE
In order to avoid moisture in the device due to condensate build-up, acclimatise the device at room temperature for about half an hour before connecting.

CLEANING
The device can be cleaned in dead state with a dry cloth or cloth soaked in soap solution. Do not use caustic or solvent-containing substances for cleaning.

MAINTENANCE
These devices are maintenance-free. If damaged, no repairs should be undertaken by the user.

GUARANTEE
Opening the module invalidates the guarantee.

Observe this instructions (data sheet) and keep them in a safe place. Pass on the instructions (data sheet) to any future user.

WEEE Directive 2012/19/EC Waste Electrical and Electronic Equipment directive
The product should not be disposed of with other household waste. Check for the nearest authorized collection centers or authorized recyclers. The correct disposal of end-of-life equipment will help prevent potential negative consequences for the environment and human health.

EAC
EAC Mark of Conformity for Machinery Exports to Russia, Kazakhstan or Belarus.
Sales and Service
For application assistance, current specifications, pricing, or name of the nearest Authorized Distributor, contact one of the offices below.

ASIA PACIFIC
Honeywell Process Solutions,
(TAC) hfs-tac-support@honeywell.com

Australia
Honeywell Limited
Phone: +(61) 7-3846 1255
FAX: +(61) 7-3840 6481
Toll Free 1300-36-39-36
Toll Free Fax: 1300-36-04-70

China – PRC - Shanghai
Honeywell China Inc.
Phone: (86-21) 5257-4568
Fax: (86-21) 6237-2826

Singapore
Honeywell Pte Ltd.
Phone: +(65) 6580 3278
Fax: +(65) 6445-3033

South Korea
Honeywell Korea Co Ltd
Phone: +(822) 799 6114
Fax: +(822) 792 9015

EMEA
Honeywell Process Solutions,
Phone: +80012026455 or +44 (0)1344 656000

Email: (Sales) FP-Sales-Apps@Honeywell.com
or (TAC) hfs-tac-support@honeywell.com

AMERICA’S
Honeywell Process Solutions,
Phone: (TAC) 1-800-423-9883 or 215/641-3610
(Sales) 1-800-343-0228

Email: (Sales) FP-Sales-Apps@Honeywell.com
or (TAC) hfs-tac-support@honeywell.com

Specifications are subject to change without notice.

Process Solutions
Honeywell
1250 W Sam Houston Pkwy S
Houston, TX 77042

Honeywell Control Systems Ltd
Honeywell House, Skimped Hill Lane
Bracknell, England, RG12 1EB

Shanghai City Centre, 100 Jungi Road
Shanghai, China 20061

©2020 Honeywell International Inc.
Document No.: 51-52-03-71
Rev.2.0
April 2020

www.honeywellprocess.com