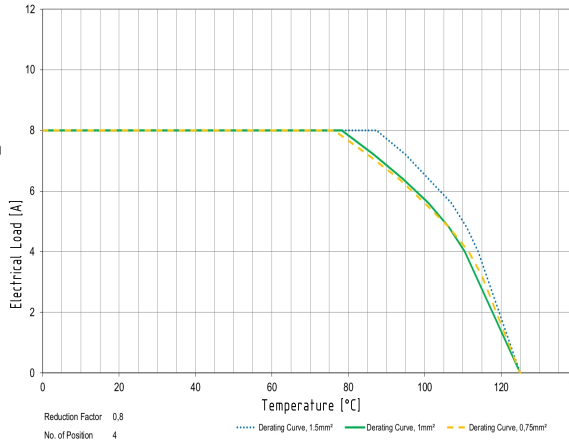
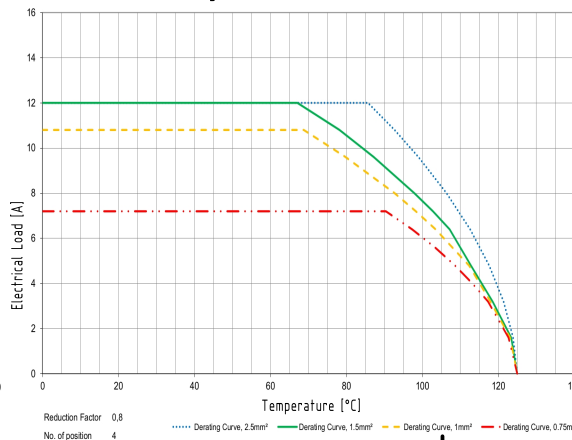


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Conductor size solid min | 0.14 mm <sup>2</sup>                             | 0.2 mm <sup>2</sup>         | Conductor size stranded max | 1.5 mm <sup>2</sup>                              | 2.5 mm <sup>2</sup> | Conductor size stranded min | 0.14 mm <sup>2</sup> | 0.2 mm <sup>2</sup>  | Conductor size stranded for end sleeve |                                                  |                       | Stripping length max | 10 mm                                             | 10 mm                  | Stripping length min | 9 mm                                              | 10 mm           | types 3.50/3.81 FPH |      |                                     |                                  |              |                                     | Type of packaging | No. of poles (xx) | Quantity                            | MOQ                              | Index (xxx)  | Remark             | box          | 2 | 300                   | 1                                   | 000 |                   | box              | 3 | 200                    | 1       | 000 |                 | box      | 4 - 5 | 150              | 1          | 000 |              | box | 6 - 12 | 100                                | 1                                                                           | 000             |                                    | box                                                               | 13 - 20         | 50        | 1                                                                        | 000             |                  | box | 21 - 25 | 25      | 1       | - |          | types 5.00/5.08 FPH |       |       |                   |          |                                    | Type of packaging | No. of poles (xx) | Quantity     | 1                         | Index (xxx)      | Remark       | box                  | 2       | 300 | 1  | -                                                                                                                               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| <div><div>General information</div><table><tr><td>Design</td><td colspan="2">female connector</td></tr><tr><td>Type</td><td>har-flexicon 3.50/3.81 FPH</td><td>har-flexicon 5.00/5.08 FPH</td></tr><tr><td>Part numbers</td><td>1431xx14102xxx &amp; 1431xx14106xxx<br/>1431xx15102xxx &amp; 1431xx15106xxx</td><td>1431xx16102xxx<br/>1431xx17102xxx &amp; 1431xx17106xxx</td></tr><tr><td>Contact pitch</td><td>3.50 mm / 3.81 mm</td><td>5 mm / 5.08 mm</td></tr><tr><td>No. of contacts</td><td>2-25 poles</td><td>2-18 poles</td></tr><tr><td>Rated surge voltage (II/2)</td><td>2,5 kV</td><td>4 kV (overvoltage cat. II / pollution degree 2)</td></tr><tr><td>Rated surge voltage (III/2)</td><td>2,5 kV</td><td>4 kV (overvoltage cat. III / pollution degree 2)</td></tr><tr><td>Rated surge voltage (III/3)</td><td>2,5 kV</td><td>4 kV (overvoltage cat. III / pollution degree 3)</td></tr><tr><td>Rated Voltage</td><td>300 V</td><td>300 V</td></tr><tr><td>Rated voltage (II/2)</td><td>300 V</td><td>600 V (overvoltage cat. II / pollution degree 2)</td></tr><tr><td>Rated voltage (III/2)</td><td>150 V</td><td>300 V (overvoltage cat. III / pollution degree 2)</td></tr><tr><td>Rated voltage (III/3):</td><td>150 V</td><td>250 V (overvoltage cat. III / pollution degree 3)</td></tr><tr><td>Working current</td><td>11 A</td><td>12 A</td></tr><tr><td>Usegroup B, rated voltage / current</td><td>300 V / 11 A stranded, 9 A solid</td><td>300 V / 12 A</td></tr><tr><td>Usegroup C, rated voltage / current</td><td>- / -</td><td>- / -</td></tr><tr><td>Usegroup D, rated voltage / current</td><td>300 V / 11 A stranded, 9 A solid</td><td>300 V / 12 A</td></tr><tr><td>Contact resistance</td><td colspan="2">max. 15 mOhm</td></tr><tr><td>Insulation resistance</td><td colspan="2">min. 10<sup>9</sup> Ohm (500 V DC)</td></tr><tr><td>Temperature range</td><td colspan="2">-40°C ... +110°C</td></tr><tr><td>Termination technology</td><td colspan="2">push-in</td></tr><tr><td>Insertion force</td><td colspan="2">max. 3 N</td></tr><tr><td>Withdrawal force</td><td colspan="2">min. 1.5 N</td></tr><tr><td>Hot plugging</td><td colspan="2">No</td></tr><tr><td>Mechanical Shock IEC 61373 (05/10)</td><td>5 g, 30 ms, 5 shocks/axis and each direction no contact disturbance &gt;= 1 µs</td><td>for p/n ...6xxx</td></tr><tr><td>Random Vibration IEC 61373 (05/10)</td><td>Cat 1 class B 5,72 m/s<sup>2</sup> no contact disturbance &gt;=1 µs</td><td>for p/n ...6xxx</td></tr><tr><td>Vibration</td><td>10-150 Hz, 0.35 mm, 5 g, 2 h each axes -&gt; No contact disturbance &gt;= 1 µs</td><td>for p/n ...2xxx</td></tr><tr><td>RoHS - compliant</td><td colspan="2">Yes</td></tr><tr><td>UL file</td><td colspan="2">E314677</td></tr></table></div> <div><div>Isulator material</div><table><tr><td>Material</td><td>PA/PPA</td></tr><tr><td>Color</td><td>green</td></tr><tr><td>UL classification</td><td>UL 94-V0</td></tr><tr><td>Material group acc. to IEC 60664-1</td><td>I (CTI &gt; 600)</td></tr></table></div> <div><div>Contact material</div><table><tr><td></td><td>contact zone</td><td>termination zone (spring)</td></tr><tr><td>Contact material</td><td>Copper alloy</td><td>EN 1.4310 / AISI 301</td></tr><tr><td>Plating</td><td>Sn</td><td>no</td></tr></table></div> <div><div>Derating</div><p>The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.</p><p>Control and test procedures according to DIN IEC 60512-5</p><div><div>Derating: har-flexicon 3.50/3.81 FPH:</div><div></div><div><div>Derating: har-flexicon 5.00/5.08 FPH:</div><div></div></div></div></div> |                                                                             |                                                   |     | Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | female connector |   | Type | har-flexicon 3.50/3.81 FPH | har-flexicon 5.00/5.08 FPH | Part numbers               | 1431xx14102xxx & 1431xx14106xxx<br>1431xx15102xxx & 1431xx15106xxx | 1431xx16102xxx<br>1431xx17102xxx & 1431xx17106xxx | Contact pitch                   | 3.50 mm / 3.81 mm      | 5 mm / 5.08 mm | No. of contacts | 2-25 poles             | 2-18 poles | Rated surge voltage (II/2) | 2,5 kV                   | 4 kV (overvoltage cat. II / pollution degree 2) | Rated surge voltage (III/2) | 2,5 kV                   | 4 kV (overvoltage cat. III / pollution degree 2) | Rated surge voltage (III/3) | 2,5 kV                      | 4 kV (overvoltage cat. III / pollution degree 3) | Rated Voltage       | 300 V                       | 300 V                | Rated voltage (II/2) | 300 V                                  | 600 V (overvoltage cat. II / pollution degree 2) | Rated voltage (III/2) | 150 V                | 300 V (overvoltage cat. III / pollution degree 2) | Rated voltage (III/3): | 150 V                | 250 V (overvoltage cat. III / pollution degree 3) | Working current | 11 A                | 12 A | Usegroup B, rated voltage / current | 300 V / 11 A stranded, 9 A solid | 300 V / 12 A | Usegroup C, rated voltage / current | - / -             | - / -             | Usegroup D, rated voltage / current | 300 V / 11 A stranded, 9 A solid | 300 V / 12 A | Contact resistance | max. 15 mOhm |   | Insulation resistance | min. 10 <sup>9</sup> Ohm (500 V DC) |     | Temperature range | -40°C ... +110°C |   | Termination technology | push-in |     | Insertion force | max. 3 N |       | Withdrawal force | min. 1.5 N |     | Hot plugging | No  |        | Mechanical Shock IEC 61373 (05/10) | 5 g, 30 ms, 5 shocks/axis and each direction no contact disturbance >= 1 µs | for p/n ...6xxx | Random Vibration IEC 61373 (05/10) | Cat 1 class B 5,72 m/s <sup>2</sup> no contact disturbance >=1 µs | for p/n ...6xxx | Vibration | 10-150 Hz, 0.35 mm, 5 g, 2 h each axes -> No contact disturbance >= 1 µs | for p/n ...2xxx | RoHS - compliant | Yes |         | UL file | E314677 |   | Material | PA/PPA              | Color | green | UL classification | UL 94-V0 | Material group acc. to IEC 60664-1 | I (CTI > 600)     |                   | contact zone | termination zone (spring) | Contact material | Copper alloy | EN 1.4310 / AISI 301 | Plating | Sn  | no | <div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div>All rights reserved</div><div>Department EC PD - DE</div></div><div><div>HARTING Electronics GmbH</div><div>D-32339 Espelkamp</div></div></div><div><div><div>Scale 1:1</div><div>Free size tol.</div></div><div><div>Created by TADJE</div><div>Inspected by LEHNERT</div><div>Standardisation HOFFMANN</div></div><div><div>Date 2015-10-15</div><div>State Final Release</div></div><div><div>Title har-flexicon female connector, horizontal, push-in</div><div>Doc-Key / ECM-Nr. 100579786/UGD/000/C 500000093564</div></div><div><div>Type DS</div><div>Number 14312302001</div><div>Rev. C</div><div>Page 1/1</div></div></div></div></div> |  |     |   |     |   |   |  |     |       |     |   |   |  |     |        |     |   |   |  |     |         |    |   |   |  |
| Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Material group acc. to IEC 60664-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## HARTING:

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| <a href="#"><u>14310614102000</u></a> | <a href="#"><u>14310817102000</u></a> | <a href="#"><u>14311214102000</u></a> | <a href="#"><u>14311216102000</u></a> | <a href="#"><u>14310217102000</u></a> | <a href="#"><u>14310417102000</u></a> |
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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.