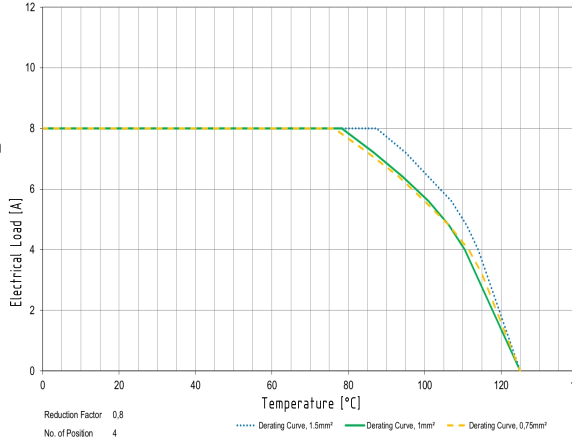
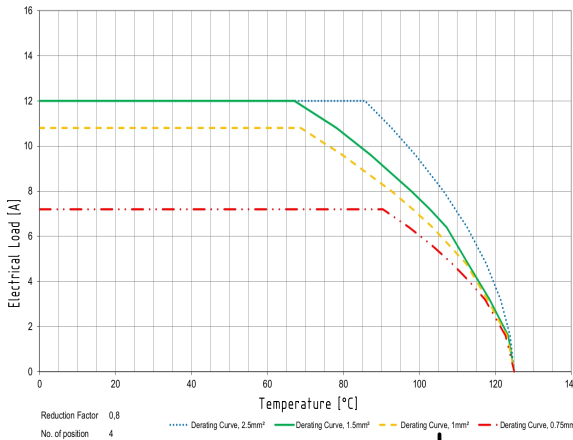
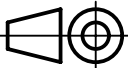


1	2	3	4	5	6	7	8																																																																																																																																																																														
har-flexicon female connector, horizontal, push-in RoHS compliant				Cable connection <table><tr><td>Type</td><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 & 1431xx15102xxx</td><td>1431xx16102xxx & 1431xx17102xxx</td></tr><tr><td>Conductor size AWG max</td><td>14 AWG</td><td>12 AWG</td></tr><tr><td>Conductor size AWG min</td><td>30 AWG</td><td>30 AWG</td></tr><tr><td>Conductor size solid max</td><td>1.5 mm²</td><td>2.5 mm²</td></tr><tr><td>Conductor size solid min</td><td>0.14 mm²</td><td>0.2 mm²</td></tr><tr><td>Conductor size stranded max</td><td>1.5 mm²</td><td>2.5 mm²</td></tr><tr><td>Conductor size stranded min</td><td>0.14 mm²</td><td>0.2 mm²</td></tr><tr><td>Conductor size stranded for end sleeve</td><td></td><td></td></tr><tr><td>Stripping length max</td><td>10 mm</td><td>10 mm</td></tr><tr><td>Stripping length min</td><td>9 mm</td><td>10 mm</td></tr></table>				Type	har-flexicon 3.50/3.81 FPH	har-flexicon 5.00/5.08 FPH	Part numbers	1431xx14102xxx & 1431xx15102xxx	1431xx16102xxx & 1431xx17102xxx	Conductor size AWG max	14 AWG	12 AWG	Conductor size AWG min	30 AWG	30 AWG	Conductor size solid max	1.5 mm ²	2.5 mm ²	Conductor size solid min	0.14 mm ²	0.2 mm ²	Conductor size stranded max	1.5 mm ²	2.5 mm ²	Conductor size stranded min	0.14 mm ²	0.2 mm ²	Conductor size stranded for end sleeve			Stripping length max	10 mm	10 mm	Stripping length min	9 mm	10 mm																																																																																																																																													
Type	har-flexicon 3.50/3.81 FPH	har-flexicon 5.00/5.08 FPH																																																																																																																																																																																			
Part numbers	1431xx14102xxx & 1431xx15102xxx	1431xx16102xxx & 1431xx17102xxx																																																																																																																																																																																			
Conductor size AWG max	14 AWG	12 AWG																																																																																																																																																																																			
Conductor size AWG min	30 AWG	30 AWG																																																																																																																																																																																			
Conductor size solid max	1.5 mm ²	2.5 mm ²																																																																																																																																																																																			
Conductor size solid min	0.14 mm ²	0.2 mm ²																																																																																																																																																																																			
Conductor size stranded max	1.5 mm ²	2.5 mm ²																																																																																																																																																																																			
Conductor size stranded min	0.14 mm ²	0.2 mm ²																																																																																																																																																																																			
Conductor size stranded for end sleeve																																																																																																																																																																																					
Stripping length max	10 mm	10 mm																																																																																																																																																																																			
Stripping length min	9 mm	10 mm																																																																																																																																																																																			
General information <table><tr><td colspan="3">Design 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 & 1431xx14106xxx 1431xx15102xxx & 1431xx15106xxx</td><td>1431xx16102xxx 1431xx17102xxx & 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. 10⁹ 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 >= 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/s² no contact disturbance >=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 -> No contact disturbance >= 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>				Design female connector			Type	har-flexicon 3.50/3.81 FPH	har-flexicon 5.00/5.08 FPH	Part numbers	1431xx14102xxx & 1431xx14106xxx 1431xx15102xxx & 1431xx15106xxx	1431xx16102xxx 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 ⁹ 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 ² 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		Packaging unit <table><tr><td colspan="6">types 3.50/3.81 FPH</td></tr><tr><td>Type of packaging</td><td>No. of poles (xx)</td><td>Quantity</td><td>MOQ</td><td>Index (xxx)</td><td>Remark</td></tr><tr><td>box</td><td>2</td><td>300</td><td>1</td><td>000</td><td></td></tr><tr><td>box</td><td>3</td><td>200</td><td>1</td><td>000</td><td></td></tr><tr><td>box</td><td>4 - 5</td><td>150</td><td>1</td><td>000</td><td></td></tr><tr><td>box</td><td>6 - 12</td><td>100</td><td>1</td><td>000</td><td></td></tr><tr><td>box</td><td>13 - 20</td><td>50</td><td>1</td><td>000</td><td></td></tr><tr><td>box</td><td>21 - 25</td><td>25</td><td>1</td><td>-</td><td></td></tr><tr><td colspan="6">types 5.00/5.08 FPH</td></tr><tr><td>Type of packaging</td><td>No. of poles (xx)</td><td>Quantity</td><td>1</td><td>Index (xxx)</td><td>Remark</td></tr><tr><td>box</td><td>2</td><td>300</td><td>1</td><td>-</td><td></td></tr><tr><td>box</td><td>3</td><td>200</td><td>1</td><td>-</td><td></td></tr><tr><td>box</td><td>4 - 5</td><td>150</td><td>1</td><td>-</td><td></td></tr><tr><td>box</td><td>6 - 12</td><td>100</td><td>1</td><td>-</td><td></td></tr><tr><td>box</td><td>13 - 20</td><td>50</td><td>1</td><td>-</td><td></td></tr></table>				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	-		box	3	200	1	-		box	4 - 5	150	1	-		box	6 - 12	100	1	-		box	13 - 20	50	1	-	
Design female connector																																																																																																																																																																																					
Type	har-flexicon 3.50/3.81 FPH	har-flexicon 5.00/5.08 FPH																																																																																																																																																																																			
Part numbers	1431xx14102xxx & 1431xx14106xxx 1431xx15102xxx & 1431xx15106xxx	1431xx16102xxx 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 ⁹ 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 ² 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																																																																																																																																																																																				
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	-																																																																																																																																																																																	
box	3	200	1	-																																																																																																																																																																																	
box	4 - 5	150	1	-																																																																																																																																																																																	
box	6 - 12	100	1	-																																																																																																																																																																																	
box	13 - 20	50	1	-																																																																																																																																																																																	
Isulator material <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 > 600)</td></tr></table>				Material	PA/PPA	Color	green	UL classification	UL 94-V0	Material group acc. to IEC 60664-1	I (CTI > 600)	1431xx14102xxx																																																																																																																																																																									
Material	PA/PPA																																																																																																																																																																																				
Color	green																																																																																																																																																																																				
UL classification	UL 94-V0																																																																																																																																																																																				
Material group acc. to IEC 60664-1	I (CTI > 600)																																																																																																																																																																																				
Contact material <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>					contact zone	termination zone (spring)	Contact material	Copper alloy	EN 1.4310 / AISI 301	Plating	Sn	no																																																																																																																																																																									
	contact zone	termination zone (spring)																																																																																																																																																																																			
Contact material	Copper alloy	EN 1.4310 / AISI 301																																																																																																																																																																																			
Plating	Sn	no																																																																																																																																																																																			
Derating 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. Control and test procedures according to DIN IEC 60512-5 Derating: har-flexicon 3.50/3.81 FPH:  Derating: har-flexicon 5.00/5.08 FPH: 				All Dimensions in mm Original Size DIN A3 Scale 1:1 Free size tol. Ref. Sub. DS 14312302001 / 500000077827 / 2014-07-31 All rights reserved Department EC PD - DE Created by TADJE Inspected by LEHNERT Standardisation HOFFMANN Date 2015-10-15 State Final Release har-flexicon female connector, horizontal, push-in Doc-Key / ECM-Nr. 100579786/UGD/000/C 500000093564 Type DS Number 14312302001 Rev. C Page 1/1 HARTING Electronics GmbH D-32339 Espelkamp																																																																																																																																																																																	
1	2	3	4	5	6	7	8																																																																																																																																																																														



All rights reserved
Department EC PD - DE



All Dimensions in mm
Original Size DIN A3

Scale
1:1

Free size tol.

Ref.

Sub. DS 14312302001 / 500000077827 / 2014-07-31

Created by
TADJE

Inspected by
LEHNERT

Standardisation
HOFFMANN

Date
2015-10-15

State
Final Release

Title
har-flexicon female connector, horizontal, push-in

Doc-Key / ECM-Nr.
100579786/UGD/000/C
500000093564

Type
DS

Number
14312302001

Rev.
C

Page
1/1

HARTING Electronics GmbH

D-32339 Espelkamp

Mouser Electronics

Authorized Distributor

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

HARTING:

<u>14310614102000</u>	<u>14310817102000</u>	<u>14311214102000</u>	<u>14311216102000</u>	<u>14310217102000</u>	<u>14310417102000</u>
<u>14310516102000</u>	<u>14310517102000</u>	<u>14310814102000</u>	<u>14310815102000</u>	<u>14311016102000</u>	<u>14311017102000</u>
<u>14310216102000</u>	<u>14310315102000</u>	<u>14310316102000</u>	<u>14310317102000</u>	<u>14310615102000</u>	<u>14310616102000</u>
<u>14311015102000</u>	<u>14310314102000</u>	<u>14310617102000</u>	<u>14310816102000</u>	<u>14311014102000</u>	<u>14311217102000</u>
<u>14310214102000</u>	<u>14310215102000</u>	<u>14310414102000</u>	<u>14310415102000</u>	<u>14310416102000</u>	<u>14311215102000</u>

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru