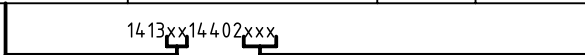
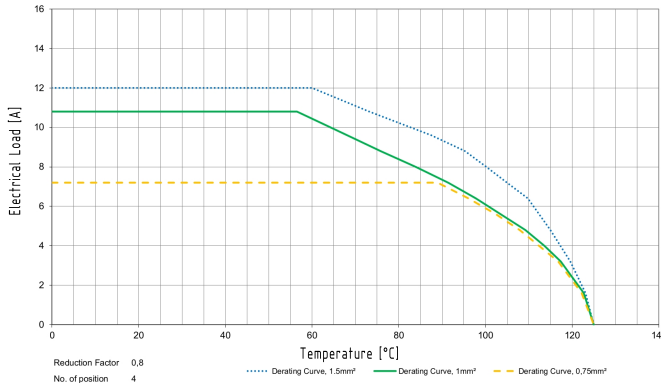
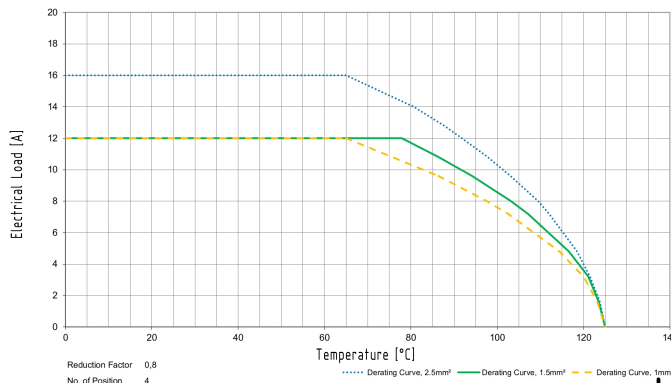
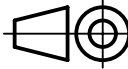


1	2	3	4	5	6	7	8																																																																																																																								
A	 har-flexicon female connector, horizontal, screwing RoHS compliant 			Cable connection <table><tr><td>Type</td><td>har-flexicon 3.50/3.81 FSH</td><td>har-flexicon 5.00/5.08 FSH</td></tr><tr><td>Part numbers</td><td>1431xx14402xxx & 1431xx15402xxx</td><td>1431xx16402xxx & 1431xx16403xxx / 1431xx17402xxx</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>0.5mm²</td><td>0.05 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>0.5 mm²</td><td>0.05 mm²</td></tr><tr><td>Conductor size stranded for end sleeve</td><td></td><td></td></tr><tr><td>Stripping length max</td><td>6 mm</td><td>7,5 mm</td></tr><tr><td>Stripping length min</td><td>5 mm</td><td>6 mm</td></tr><tr><td>Screw thread</td><td>M2</td><td>M3</td></tr><tr><td>Tightening Torque max</td><td>0.25 Nm</td><td>0.6 Nm</td></tr><tr><td>Tightening Torque min</td><td>0.2 Nm</td><td>0.5 Nm</td></tr></table>				Type	har-flexicon 3.50/3.81 FSH	har-flexicon 5.00/5.08 FSH	Part numbers	1431xx14402xxx & 1431xx15402xxx	1431xx16402xxx & 1431xx16403xxx / 1431xx17402xxx	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	0.5mm ²	0.05 mm ²	Conductor size stranded max	1.5 mm ²	2.5 mm ²	Conductor size stranded min	0.5 mm ²	0.05 mm ²	Conductor size stranded for end sleeve			Stripping length max	6 mm	7,5 mm	Stripping length min	5 mm	6 mm	Screw thread	M2	M3	Tightening Torque max	0.25 Nm	0.6 Nm	Tightening Torque min	0.2 Nm	0.5 Nm	A																																																																													
Type	har-flexicon 3.50/3.81 FSH	har-flexicon 5.00/5.08 FSH																																																																																																																													
Part numbers	1431xx14402xxx & 1431xx15402xxx	1431xx16402xxx & 1431xx16403xxx / 1431xx17402xxx																																																																																																																													
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	0.5mm ²	0.05 mm ²																																																																																																																													
Conductor size stranded max	1.5 mm ²	2.5 mm ²																																																																																																																													
Conductor size stranded min	0.5 mm ²	0.05 mm ²																																																																																																																													
Conductor size stranded for end sleeve																																																																																																																															
Stripping length max	6 mm	7,5 mm																																																																																																																													
Stripping length min	5 mm	6 mm																																																																																																																													
Screw thread	M2	M3																																																																																																																													
Tightening Torque max	0.25 Nm	0.6 Nm																																																																																																																													
Tightening Torque min	0.2 Nm	0.5 Nm																																																																																																																													
B	General information <table><tr><td colspan="3">female connector</td></tr><tr><td>Type</td><td>har-flexicon 3.50/3.81 FSH</td><td>har-flexicon 5.00/5.08 FSH</td></tr><tr><td>Part numbers</td><td>1431xx14402xxx / 1431xx15402xxx</td><td>1431xx16402xxx & 1431xx16403xxx / 1431xx17402xxx</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>2-25 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>15 A</td></tr><tr><td>Usegroup B, rated voltage / current</td><td>300 V / 11 A</td><td>300 V / 15 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</td><td>300 V / 15 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">screwing</td></tr><tr><td>Insertion force</td><td colspan="2">max. 3</td></tr><tr><td>Withdrawal force</td><td colspan="2">min. 1,5</td></tr><tr><td>Hot plugging</td><td colspan="2">No</td></tr><tr><td>Vibration</td><td colspan="2">10-150Hz,0,35mm,5g 2h each axes -> No contact disturbance > 1µs</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>			female connector			Type	har-flexicon 3.50/3.81 FSH	har-flexicon 5.00/5.08 FSH	Part numbers	1431xx14402xxx / 1431xx15402xxx	1431xx16402xxx & 1431xx16403xxx / 1431xx17402xxx	Contact pitch	3.50 mm / 3.81 mm	5 mm / 5.08 mm	No. of contacts	2-25 poles	2-25 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	15 A	Usegroup B, rated voltage / current	300 V / 11 A	300 V / 15 A	Usegroup C, rated voltage / current	- / -	- / -	Usegroup D, rated voltage / current	300 V / 11 A	300 V / 15 A	Contact resistance	max. 15 mOhm		Insulation resistance	min. 10 ⁹ Ohm (500 V DC)		Temperature range	-40°C ... +110°C		Termination technology	screwing		Insertion force	max. 3		Withdrawal force	min. 1,5		Hot plugging	No		Vibration	10-150Hz,0,35mm,5g 2h each axes -> No contact disturbance > 1µs		RoHS - compliant	Yes		UL file	E314677		Packging unit <table><tr><th>Type of packaging</th><th>No. of poles (xx)</th><th>Quantity</th><th>MOQ</th><th>Index (xxx)</th><th>Remark</th></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>000</td><td></td></tr></table>			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	000		B
female connector																																																																																																																															
Type	har-flexicon 3.50/3.81 FSH	har-flexicon 5.00/5.08 FSH																																																																																																																													
Part numbers	1431xx14402xxx / 1431xx15402xxx	1431xx16402xxx & 1431xx16403xxx / 1431xx17402xxx																																																																																																																													
Contact pitch	3.50 mm / 3.81 mm	5 mm / 5.08 mm																																																																																																																													
No. of contacts	2-25 poles	2-25 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	15 A																																																																																																																													
Usegroup B, rated voltage / current	300 V / 11 A	300 V / 15 A																																																																																																																													
Usegroup C, rated voltage / current	- / -	- / -																																																																																																																													
Usegroup D, rated voltage / current	300 V / 11 A	300 V / 15 A																																																																																																																													
Contact resistance	max. 15 mOhm																																																																																																																														
Insulation resistance	min. 10 ⁹ Ohm (500 V DC)																																																																																																																														
Temperature range	-40°C ... +110°C																																																																																																																														
Termination technology	screwing																																																																																																																														
Insertion force	max. 3																																																																																																																														
Withdrawal force	min. 1,5																																																																																																																														
Hot plugging	No																																																																																																																														
Vibration	10-150Hz,0,35mm,5g 2h each axes -> No contact disturbance > 1µs																																																																																																																														
RoHS - compliant	Yes																																																																																																																														
UL file	E314677																																																																																																																														
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	000																																																																																																																											
C	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)	1431xx14402xxx 			C																																																																																																																
Material	PA/PPA																																																																																																																														
Color	green																																																																																																																														
UL classification	UL 94-V0																																																																																																																														
Material group acc. to IEC 60664-1	I (CTI > 600)																																																																																																																														
D	Contact material <table><tr><td>Contact material</td><td>Copper alloy</td></tr><tr><td>Plating termination zone</td><td>Ni</td></tr><tr><td>Plating contact zone</td><td>Sn</td></tr></table>			Contact material	Copper alloy	Plating termination zone	Ni	Plating contact zone	Sn				D																																																																																																																		
Contact material	Copper alloy																																																																																																																														
Plating termination zone	Ni																																																																																																																														
Plating contact zone	Sn																																																																																																																														
E	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 FSH: 			Derating: har-flexicon 5.00/5.08 FSH: 			E																																																																																																																								
F	 All rights reserved Department EC PD - DE HARTING Electronics GmbH D-32339 Espelkamp  All Dimensions in mm Original Size DIN A3 Scale 1:1 Free size tol. Created by TADJE Inspected by LEHNERT Standardisation HOFFMANN Date 2015-10-15 State Final Release Title har-flexicon female connector, horizontal, screwing Doc-Key / ECM-Nr. 100579839/UGD/000/C 500000093564 Type DS Number 14312301201 Rev. C Page 1/1			F																																																																																																																											
1	2	3	4	5	6	7	8																																																																																																																								

Mouser Electronics

Authorized Distributor

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

HARTING:

[14310214402000](#) [14310316402000](#) [14310414402000](#) [14311016402000](#) [14311214402000](#) [14310216402000](#)
[14310416402000](#) [14310616402000](#) [14310314402000](#) [14311216402000](#) [14310516402000](#) [14310614402000](#)
[14310816402000](#) [14310814402000](#) [14311014402000](#)



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

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