

1	2	3	4	5	6	7	8
A				A			
har-flexicon female connector, horizontal, screwing				Cable connection			
General information				Type			
Design				har-flexicon 3.50/3.81 FSH			
Type				har-flexicon 5.00/5.08 FSH			
Part numbers				1431xx14402xxx & 1431xx15402xxx			
Contact pitch				1431xx16402xxx & 1431xx16403xxx / 1431xx17402xxx			
No. of contacts				Conductor size AWG max			
Rated surge voltage (II/2)				14 AWG			
Rated surge voltage (III/2)				30 AWG			
Rated surge voltage (III/3)				Conductor size solid max			
Rated Voltage				1.5 mm ²			
Rated voltage (II/2)				Conductor size solid min			
Rated voltage (III/2)				0.5mm ²			
Rated voltage (III/3):				Conductor size stranded max			
Working current				1.5 mm ²			
Usegroup B, rated voltage / current				Conductor size stranded min			
Usegroup C, rated voltage / current				0.5 mm ²			
Usegroup D, rated voltage / current				Conductor size stranded for end sleeve			
Contact resistance				Stripping length max			
Insulation resistance				6 mm			
Temperature range				Stripping length min			
Termination technology				5 mm			
Insertion force				Screw thread			
Withdrawal force				M2			
Hot plugging				Tightening Torque max			
Vibration				0.25 Nm			
RoHS - compliant				Tightening Torque min			
UL file				0.2 Nm			
E314677				0.5 Nm			
Isulator material				Packing unit			
Material				Type of packaging			
Color				No. of poles (xx)			
UL classification				Quantity			
Material group acc. to IEC 60664-1				MOQ			
I (CTI > 600)				Index (xxx)			
Contact material				Remark			
Contact material				box			
Plating termination zone				2			
Plating contact zone				3			
Sn				4 - 5			
Derating				6 - 12			
The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals.				13 - 20			
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.				21 - 25			
Control and test procedures according to DIN IEC 60512-5				14 13xx14 402xxx			
Derating: har-flexicon 3.50/3.81 FSH:				14 13xx14 402xxx			
Derating: har-flexicon 5.00/5.08 FSH:				14 13xx14 402xxx			
Electrical Load [A]				14 13xx14 402xxx			
Temperature [°C]				14 13xx14 402xxx			
Reduction Factor 0.8				14 13xx14 402xxx			
No. of position 4				14 13xx14 402xxx			
Derating Curve, 1.5mm ²				14 13xx14 402xxx			
Derating Curve, 1mm ²				14 13xx14 402xxx			
Derating Curve, 0.75mm ²				14 13xx14 402xxx			
Electrical Load [A]				14 13xx14 402xxx			
Temperature [°C]				14 13xx14 402xxx			
Reduction Factor 0.8				14 13xx14 402xxx			
No. of Position 4				14 13xx14 402xxx			
Derating Curve, 2.5mm ²				14 13xx14 402xxx			
Derating Curve, 1.5mm ²				14 13xx14 402xxx			
Derating Curve, 1mm ²				14 13xx14 402xxx			
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D-32339 Espelkamp				Department EC PD - DE			
All Dimensions in mm				Scale 1:1			
Original Size DIN A3				Free size tol.			
Ref.				Sub. DS 14312301201 / 500000077827 / 2014-07-31			
Created by				Date			
TADJE				2015-10-15			
Inspected by				State			
LEHNERT				Final Release			
Standardisation				Doc-Key / ECM-Nr.			
HOFFMANN				100579839/UGD/000/C			
Title				500000093564			
har-flexicon female connector, horizontal, screwing				Rev. C			
Type DS				Page 1/1			
Number 14312301201							
1				2			
3				4			
5				6			
7				8			

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<u>14310917402000</u>	<u>14311617402000</u>	<u>14311717402000</u>	<u>14311217402000</u>	<u>14310217402000</u>	<u>14311417402000</u>
<u>14310617402000</u>	<u>14310717402000</u>	<u>14311316402000</u>	<u>14311616402000</u>	<u>14311116402000</u>	<u>14310916402000</u>