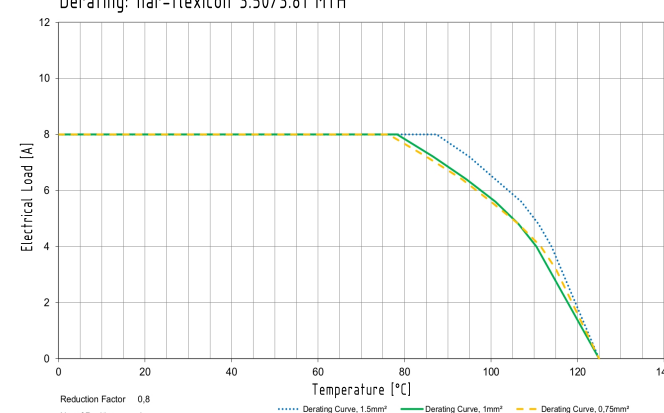
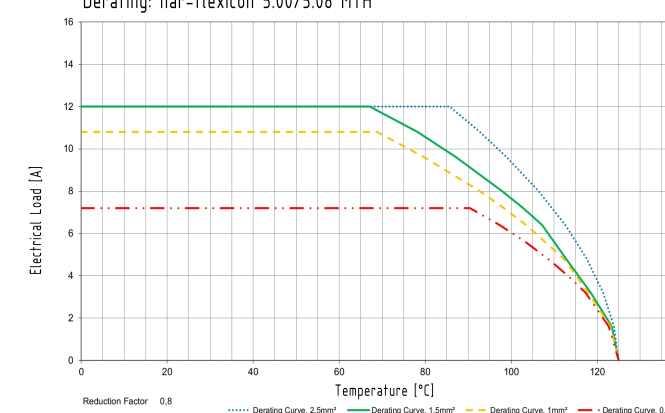


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har-flexicon male connector, horizontal, SMC RoHS compliant General information <table><tr><td>Design</td><td colspan="3">male connector</td></tr><tr><td>Type</td><td>har-flexicon 3.50/3.81 MTH</td><td>har-flexicon 5.00 MTH</td><td>har-flexicon 5.08 MTH</td></tr><tr><td>Part numbers</td><td>1412xx14002xxx & 1412xx15002xxx</td><td>1412xx16002xxx</td><td>1412xx17002xxx</td></tr><tr><td>Contact pitch</td><td>3.5 mm & 3.81 mm</td><td>5mm</td><td>5.08 mm</td></tr><tr><td>No. of contacts</td><td>2-25 poles</td><td>2-19 poles</td><td>2-12 poles</td></tr><tr><td>Rated surge voltage (II/2):</td><td>2,5 kV</td><td>4 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</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</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><td>300 V</td></tr><tr><td>Rated voltage (II/2):</td><td>300 V</td><td>600 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</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</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><td>15 A</td></tr><tr><td>Contact resistance</td><td colspan="3">max. 15 mOhm</td></tr><tr><td>Insulation resistance</td><td colspan="3">min. 10⁹ Ohm (500 V DC)</td></tr><tr><td>Temperature range</td><td colspan="3">-40°C ... +110°C</td></tr><tr><td>Termination technology</td><td colspan="3">THR/SMC Reflow</td></tr><tr><td>Insertion force</td><td colspan="3">max. 3</td></tr><tr><td>Withdrawal force</td><td colspan="3">min. 1,5</td></tr><tr><td>Hot plugging</td><td colspan="3">No</td></tr><tr><td>Vibration</td><td colspan="3">10-150Hz,0,35mm,5g 2h each axes -> No contact disturbance > 1µs</td></tr><tr><td>RoHS - compliant</td><td colspan="3">Yes</td></tr><tr><td>UL file</td><td colspan="3">E314677</td></tr></table> Isulator material <table><tr><td>Material</td><td>PA/PPA</td></tr><tr><td>Color</td><td>black</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> Contact material <table><tr><td>Contact material</td><td>Copper alloy</td></tr><tr><td>Plating termination zone</td><td>Sn</td></tr><tr><td>Plating contact zone</td><td>Sn</td></tr></table> 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 MTH  Derating: har-flexicon 5.00/5.08 MTH  All Dimensions in mm Original Size DIN A3 All rights reserved Department EC PD - DE HARTING Electronics GmbH D-32339 Espelkamp Scale 1:1 Free size tol. Ref. Sub. Created by ZWAHR Inspected by TADJE Standardisation HOFFMANN Date 2014-07-31 State Final Release har-flexicon male connector, horizontal, SMC Doc-Key / ECM-Nr. 100579724/UGD/000/B 500000077827 Type DS Number 14121300201 Rev. B Page 1/1 </				Design	male connector			Type	har-flexicon 3.50/3.81 MTH	har-flexicon 5.00 MTH	har-flexicon 5.08 MTH	Part numbers	1412xx14002xxx & 1412xx15002xxx	1412xx16002xxx	1412xx17002xxx	Contact pitch	3.5 mm & 3.81 mm	5mm	5.08 mm	No. of contacts	2-25 poles	2-19 poles	2-12 poles	Rated surge voltage (II/2):	2,5 kV	4 kV	4 kV (overvoltage cat. II / pollution degree 2)	Rated surge voltage (III/2):	2,5 kV	4 kV	4 kV (overvoltage cat. III / pollution degree 2)	Rated surge voltage (III/3):	2,5 kV	4 kV	4 kV (overvoltage cat. III / pollution degree 3)	Rated Voltage:	300 V	300 V	300 V	Rated voltage (II/2):	300 V	600 V	600 V (overvoltage cat. II / pollution degree 2)	Rated voltage (III/2):	150 V	300 V	300 V (overvoltage cat. III / pollution degree 2)	Rated voltage (III/3):	150 V	250 V	250 V (overvoltage cat. III / pollution degree 3)	Working current	11 A	15 A	15 A	Contact resistance	max. 15 mOhm			Insulation resistance	min. 10 ⁹ Ohm (500 V DC)			Temperature range	-40°C ... +110°C			Termination technology	THR/SMC Reflow			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			Material	PA/PPA	Color	black	UL classification	UL 94-V0	Material group acc. to. IEC 60664-1	I (CTI > 600)	Contact material	Copper alloy	Plating termination zone	Sn	Plating contact zone	Sn
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