


Part number

# RDSHM 42



Male insert, RDSH series, SQUICH® spring terminal connection without tools, 42 poles + PE, 10 A 400 V 6 kV 3, size "104.27", HNM - High Number of Matings version

Product description	
<b>Product type</b>	Insert
<b>Series</b>	RDSH
<b>Connection type</b>	SQUICH® spring terminal connection without tools
<b>Gender</b>	Male
<b>N. of poles</b>	42 poles + 
<b>Size</b>	Size 104.27
<b>Specification</b>	HNM - High Number of Matings version
Technical data	
<b>Current</b>	10 A
<b>Voltage</b>	400 V
<b>Rated impulse withstand voltage</b>	6 kV
<b>Pollution degree</b>	3
<b>Rated voltage according to UL/CSA</b>	600 V
<b>Wire cross-section</b>	0,14 mm <sup>2</sup> - 2,50 mm <sup>2</sup>
<b>AWG size</b>	26 - 14
<b>Contact type</b>	Turned gold plated
<b>IP degree of protection</b>	IP20 without enclosure, IP65/IP66/IP68/IP69 with enclosure
Further technical details	
<b>Characteristics according to EN 61984</b>	10A 400V 6kV 3; 10A 400/690V 6kV 2
<b>Mating cycles</b>	≥ 10000
<b>Insulation resistance</b>	≥ 10 GΩ
<b>Contact resistance</b>	≤ 3 mΩ
<b>Weight</b>	126,50 g
<b>Operating temperature range (min, max)</b>	-40°C...+125°C
<b>Conductors stripping length</b>	9...11 mm
<b>UL 94 flammability rating</b>	V-0

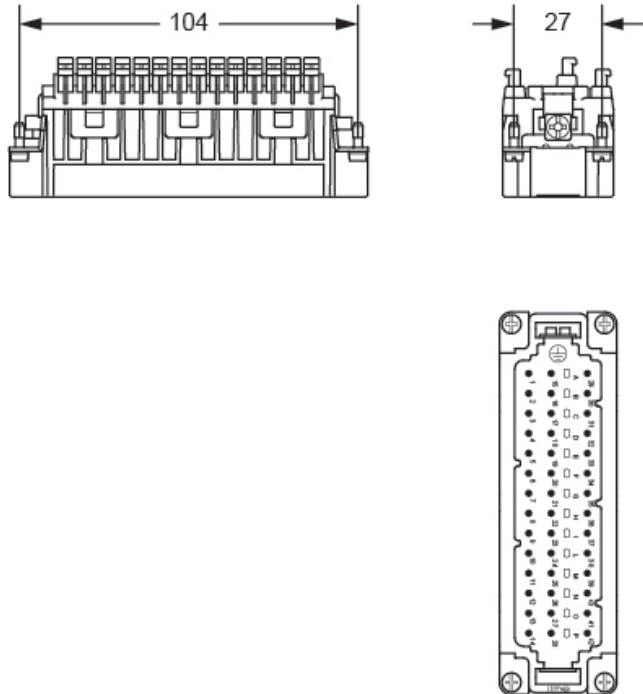
Material properties	
<b>Main material</b>	Polycarbonate (PC)
<b>Other materials</b>	Contacts: copper alloy
<b>Colour</b>	RAL 7032 grey
<b>RoHs conformity</b>	Compliant with exemption 6(c): copper alloy containing up to 4% lead by weight
<b>China RoHs - EFUP</b>	50
<b>REACH SVHC substances</b>	Yes Lead
<b>SCIP number</b>	1a9c93ff-0445-4a16-81e3-1609ac5274d6
Approvals / Standards	
<b>Certifications</b>	DNV, EAC
General ordering information	
<b>EAN13 code</b>	8015747091411
<b>eCl@ss 8.1</b>	27440205
<b>ETIM 7.0</b>	EC000438
Packaging Information	
<b>Packaging length</b>	245,00 mm
<b>Packaging height</b>	165,00 mm
<b>Packaging width</b>	215,00 mm
<b>Packaging weight</b>	4,23 kg
<b>Packaging volume</b>	8,69 dm <sup>3</sup>
<b>Packaging description</b>	Carton box
<b>Packaging quantity</b>	30 Pcs
<b>Packaging EAN code</b>	8015747091428
<b>Sub-packaging length</b>	197,00 mm
<b>Sub-packaging height</b>	55,00 mm
<b>Sub-packaging width</b>	113,00 mm
<b>Sub-packaging weight</b>	0,71 kg
<b>Sub-packaging volume</b>	1,22 dm <sup>3</sup>
<b>Sub-packaging description</b>	Carton tray
<b>Sub-packaging quantity</b>	5 Pcs
<b>Sub-packaging EAN barcode</b>	8015747112079

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Catalogue drawings



Derating curves

RDSH 42 poles connector inserts  
Maximum current load derating diagram

