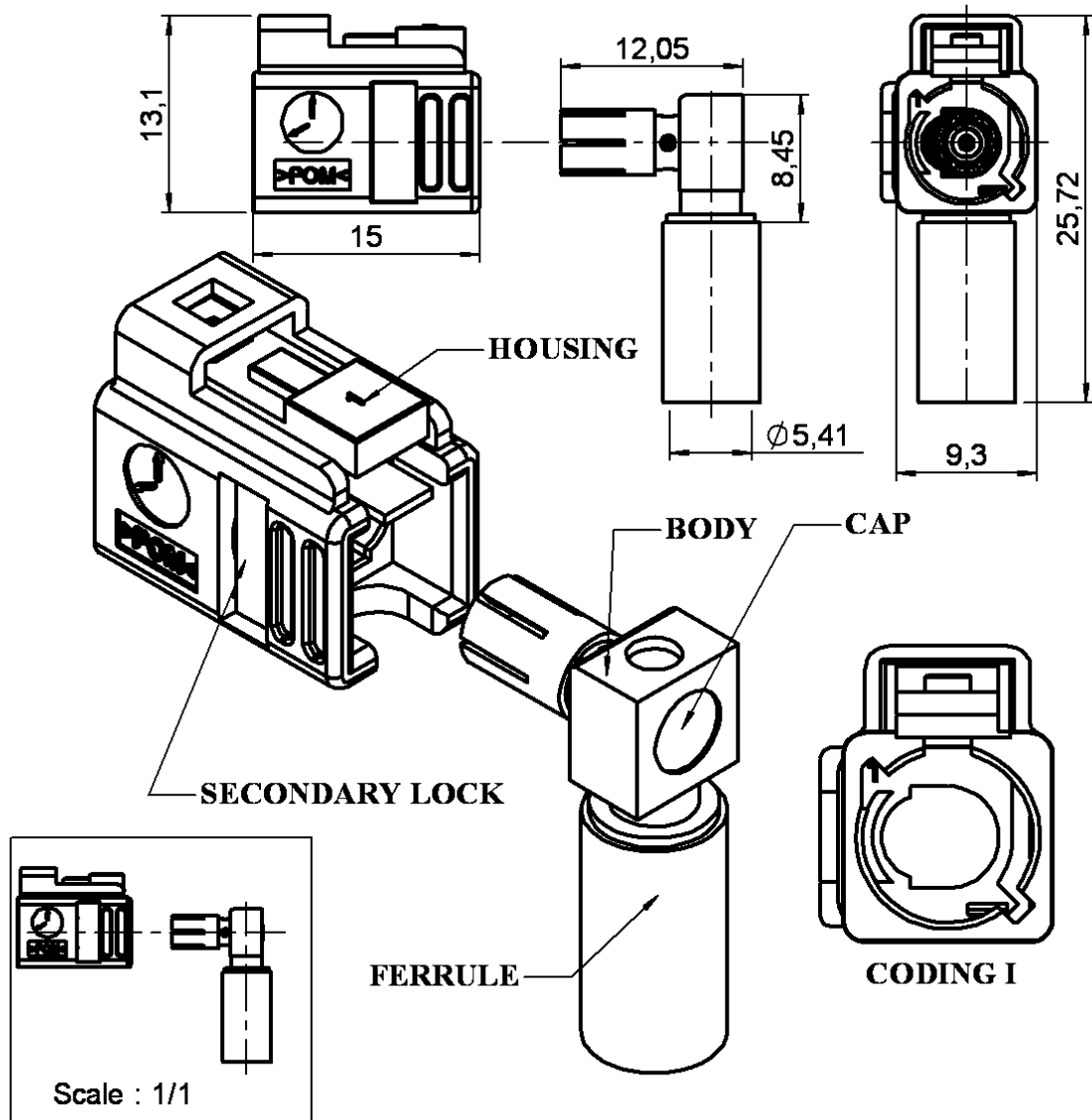


R/A COAX PLUG + HOUSING

**R197.120.I01**

CABLE 5/50

Series : SMB  
CARLOCK



All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)	
BODY	BRASS	NICKEL 2	
CENTER CONTACT	BRONZE	GOLD 0.8 OVER NICKEL 2	
OUTER CONTACT	BRONZE	NICKEL 2	
INSULATOR	PTFE		
GASKET	-		
OTHERS PARTS	BRONZE	NICKEL 2	
-	-	-	
HOUSING	Polyoxyméthylène (POM)	UL CLASSIFICATION	COLOR
Secondary Lock	Polyoxyméthylène (POM)	UL 94 V-2	BEIGE RAL1001
		UL 94V-2	PURPLE RAL4006

\*According to FAKRA specifications

Issue : 0315 A

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**PACKAGING**

Standard	Unit	Other
<b>100</b>	<b>'W' option</b>	<b>Contact us</b>

**SPECIFICATION**

-

**ELECTRICAL CHARACTERISTICS**

Impedance		<b>50</b>	$\Omega$
Frequency		<b>0-2</b>	GHz
VSWR	<b>1.03 +</b>	<b>0.050</b>	x F(GHz) Maxi
Insertion loss		<b>0.25</b>	$\sqrt{F}$ (GHz) dB Maxi
RF leakage	- (		- F(GHz)) dB Maxi
Voltage rating		<b>335</b>	Veff Maxi
Dielectric withstanding voltage		<b>1000</b>	Veff mini
Insulation resistance		<b>1000</b>	M $\Omega$ mini

**CABLE ASSEMBLY**

Stripping	a	b	c	d	e	f
mm	5.00	8.00	15.0	10.0	0.00	0.00

Assembly instruction : **page 3**

Recommended cable(s)  
RG 58

Cable retention  
- pull off **180** N mini  
- torque **N.cm**

**MECHANICAL CHARACTERISTICS**

Center contact retention			
Axial force – Mating end	<b>10</b>		N mini
Axial force – Opposite end	<b>10</b>		N mini
Torque			N.cm mini

**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.223.000	CRIMPING TOOL	5.41
R282.235.011	CRIMPING DIES	5.41
R282.293.000	CRIMPING TOOL	-

Recommended torque			
Mating			N.cm
Panel nut			N.cm
Clamp nut			N.cm
A/F clamp nut	<b>0.000</b>		mm

Mating life	<b>100</b>		Cycles mini
Weight	<b>3.784</b>		g

**OTHERS CHARACTERISTICS**

**ENVIRONMENTAL**

Operating temperature	<b>-40/+110</b>	$^{\circ}$ C
Hermetic seal	<b>NA</b>	Atm.cm3/s
Panel leakage	<b>NA</b>	

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**RECOMMENDED MOUNTING PROCEDURE**

<p><b>1</b></p> <ul style="list-style-type: none"> <li>• Slide onto the cable the ferrule</li> <li>• Strip the cable</li> </ul>	
<p><b>2</b></p> <ul style="list-style-type: none"> <li>• Fan the braid</li> <li>• Push connector body under the braid</li> <li>• Slide the ferrule on the braid ( in direction F )</li> </ul>	
<p><b>3</b></p> <ul style="list-style-type: none"> <li>• Crimp the ferrule with crimping tool R282.223.000 (Hex:5.41) or crimping tool R282.293.000 (M22520/5-01) + dies R282.235.011 (M22520/5-11)</li> <li>• Solder inner conductor</li> </ul>	
<p><b>4</b></p> <ul style="list-style-type: none"> <li>• Place the cap</li> <li>• Press cap flush or slightly below surface of body assembly</li> </ul>	
<p><b>5</b></p> <ul style="list-style-type: none"> <li>• Push the coax in the housing till it snap on ( according to picture 2 )</li> </ul>	
<p><b>6</b></p> <ul style="list-style-type: none"> <li>• To secure the coax inside the housing , push the secondary lock in final position ( until it click on )</li> </ul>	

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