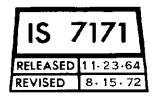




AMP ★ 4-POSITION SERIES "G" MODULES



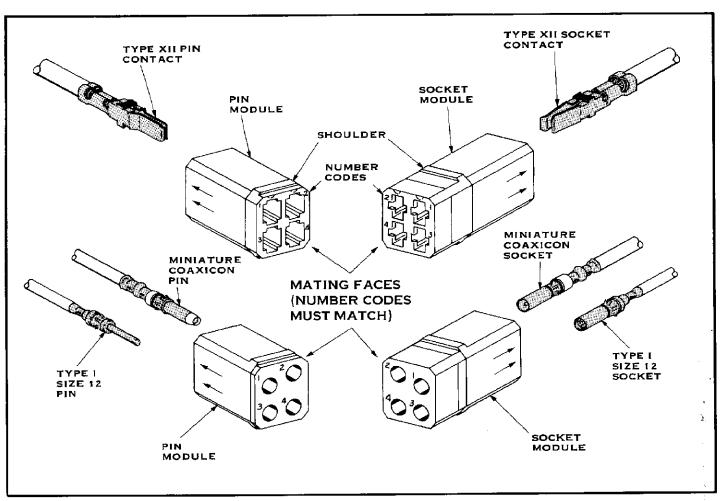


FIGURE 1

1. INTRODUCTION

These instructions cover specific information pertaining to the AMP 4-position, Series "G" Connector Modules shown in Figure 1. We recommend that you read these instructions and those referenced for specific applications before starting.

2. DESCRIPTION

There are two styles of 4-position modules available. One style accepts Type XII Power Contacts and the other style accepts either Miniature COAXICON* or Type I, Size 12 Contacts. See Figure 1.

Pin Contacts must be inserted into Pin Modules and Socket Contacts must be inserted into the Socket Module as indicated in Figure 1.

Notice that the Shoulder of the Pin Module is located closer to the Front of the Connector than is the Shoulder of the Socket Module. The arrows on the

connector indicate the end into which the contacts are to be inserted.

3. INSTALLING MODULES

These modules are designed to be installed in the AMP Series "G" Connector Shells which have 1, 2 or 3 module capacity. The assembly of the various Connector Shells and the optional hardware is described on the AMP Instruction Sheet (IS 7184) which is packaged with these components.

WARNING

These Modules are designed for High Voltage applications. If improperly mated, a serious or fatal shock could result. The ONLY way to ensure proper mating is to make certain the NUMBER CODES on the Mating Faces of the mating modules match each other as shown in Figure 1.

MODULE NUMBER		CONTACT	WIRE SIZE	INS.	PIN CONTACT		SOCKET CONTACT		CRIMPING TOOL	EXTRACTION
PIN	SOCKET	"""	SIEE	DIA.	LP	STRIP	LP	STRIP	NUMBER	
202624	202625	Type XII	16	.135	66261	66255	66258	66252	90145-2	91019-3
		l " i '		to	66262	66256			(IS 7175)	1 1
				.160	66330	66329				
			14-12	.145	66261	66255	66258	66252	90145-1	1
		1		to	66262	66256			(IS 7175)	
		l		.165						
			10-8	.190	66259	66253	66257	66251	90140-1	
				to	66260	66254			(IS 7175)	1
	†	†		.220						*
50215	50216	Type I,	18-16	· — ¨	202421		202418	_	90121	305183-8
		Size 12		_			 		or	1
			14-12	l —	202422	<u> </u>	202417		90122]
		Miniature	See	See	50079-[]		50080-[]		See	1
	i l	COAXICON	IS 1770	IS 1770	201097-[]		201098-[]		IS 1770	
					201143-[]		201144-[]			
					201145-[]		201146-[]	Ī	1	
	+				201511-[]		201512-[]		I	1 1

FIGURE 2

4. CONTACTS

Selection — Determine the Wire Size that you are using, then refer to the chart in Figure 2 and select the contact that is applicable for the style of module you are using.



The base numbers of the COAXICON Contacts are provided for reference only. The specific contact, component parts and cable recommendations are listed on the AMP Instruction Sheet, IS 1770.

Crimping — The Strip Form contacts are designed to be crimped with AMP Automatic Machine Applicators. Consult your local AMP Representative for the applicator that would best suit your needs.

The Type XII Loose Piece Contacts are designed to be crimped with AMP Crimping Dies. The Dies and applicable Instruction Sheet are listed in the chart in Figure 2. The Dies can be used in either the AMP Hand Crimping Tool No. 90710-1 or the AMP Pneumatic Tool No. 69365. Read the instructions (IS 2095 or CM 1983 respectively) packaged with these tools.

The Type I Contacts are designed to be crimped with either the AMP Hand Crimping Tool No. 90121 or the AMP Crimping Dies No. 90122. The Crimping Dies are designed to be used in the AMP Pneumatic

Tool No. 69365. Read the instructions (IS 7192) packaged with the Hand Tool and the instructions (IS 7225) packaged with the Crimping Dies for the proper crimping procedure.

The *Miniature COAXICON* Contacts are designed to be crimped with the AMP Hand Tools and Crimping Dies listed on the Instruction Sheet (IS 1770) packaged with the contacts. Read the instructions (IS 1770-2) packaged with the Hand Tools and the instructions (IS 1770-3) packaged with the Crimping Dies for the proper crimping procedure.

Insertion — An Insertion Tool is not required to insert contacts into these modules. To insert a contact, align it with the BACK of the contact cavity and insert it straight into the module. Then pull back lightly on the wire to make sure the contact is locked in place.

Extraction — The AMP Extraction Tool No. 91019-3 is designed to remove Type XII contacts. Read the instructions (IS 7276) packaged with the tool for the proper extraction procedure.

The AMP Extraction Tool No. 305183-8 is designed to remove Miniature COAXICON and Type I, Size 12 Contacts. Read the instructions (IS 1216) packaged with the tool for the proper extraction procedure.