

engaged. Connectors are finished in silver grey hammer finish and are basically interchangeable with the Painton Standard range with the exception of the 6 pole size and the 10-inline unitor.

The terminal numbering is moulded into both the plug and socket bodies and appears in proximity to the appropriate soldering tag and on the mating face.

This facilitates wiring and enables complete cable forms to be tested prior to inclusion in equipments without removing the plug or socket covers.

15

PLUGS Si

UGS

iny

e entry top cover

Cable entry top cover

Multicon range 2 poles

Cable diameter

6 Ļ

5 3

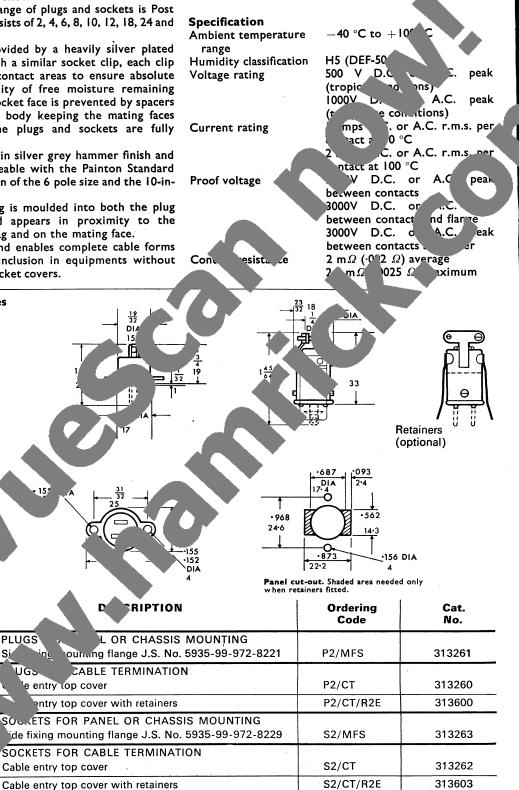
Max.

Min.

View looki

plug solder ta. and socket face

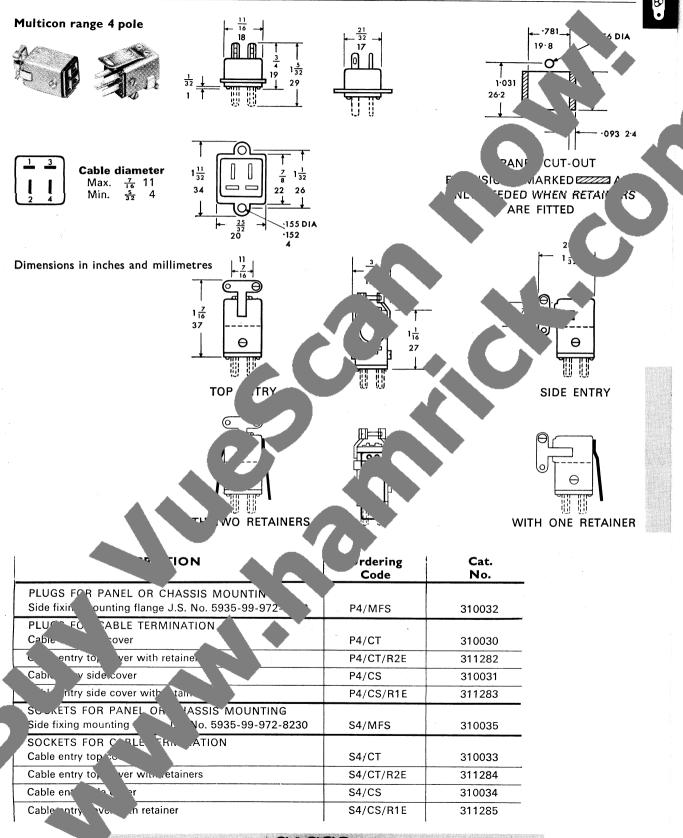




402

Tel: Grawley (0293) 28700 Telex 87131 SASCO Tel Glasgow (041-221) 6152 Telex 778841







Multicon range 6 poles



Cable diameter Max. $\frac{7}{16}$ 11 Min. $\frac{5}{32}$ 4

DESCRIPTION	Ordering	Cat.			DIMEN	5.		
	Code	No.	A	В		D	E	F
PLUGS FOR PANEL OR CHASSIS MOUNTING Side fixing mounting flange J.S. No. 5935-99-972-8223	P6/MFS	310007	+} 24				_	
End fixing mounting flange	P6/MFE	311520			+ 32	11 38	- 1	
PLUGS FOR CABLE TERMINATION Cable entry top cover	P6/CT	310009			_		1 5	
Cable entry top cover with retainers	P6/CT/R2E	311291	-		-	-	25	
Cable entry side cover	P6/CS	310			-	_ 1	25	35
Cable entry side cover with retainer	P6/CS/R1E	92		-	—	—	-	1 35
SOCKETS FOR PANEL OR CHASSIS MOUNTING Side fixing mounting flange J.S. No. 5935-99-972-8231	S6/	1006	† ≹ 24	1뉴 26				_
End fixing mounting flange	S6/. /FF	1	-	—	-t-	12 00	-	-
SOCKETS FOR CABLE TERMINATION Cable entry top cover	S6/CT	310008			\bigcirc		1 25	_
Cable entry top cover	2E	311294	- 7	-		_	1 25	-
Cable entry side cov	J., JS	310029	-		- 1	—	1 25	1 35
Cable entry side cove	S6/CS/R1E	311295	KK	-	- 1	-	1 25	11 35

Multicon range 8 poles



PLUGS AN ANEL OR CHASSIS MOUNTING e fixing mounting florge No. 5935-99-97 1규 30 310052 1# 33 28/ MFE 311522 -11 38 11 44 and fixing mounting flan. -PLUGS FOR CABLE TERM ٩N P8/CT 310050 Cable entry top cover ____ 11 32 P8/CT/R2E 311450 Cable entry top er with roniners ----____ ____ ____ 1‡ 32 ____ 310051 P8/CS Cable entry side _ ____ _ _ 1‡ 32 1 41 P8/CS/R1E 311451 Cable ent ith retainer ----11 32 1 41 _ _ ____ SOCKETS SSIS MOUNTING PA ng flange 972-8232 ti. S8/MFS 310055 1 30 1 💤 33 10. 55. En ng mounting flange S8/MFE 311523 _ ____ 1<u>‡</u> 38 11 44 _ FOR ERMINATION ÇA. S8/CT 310053 ble entry top cover 1# 32 ble entry top cover with retainers S8/CT/R2E 311452 _ 1 32 _ 310054 Cable entry side cover S8/CS ____ ____ . 1**‡** 32 1 41 S8/CS/R1E 311453 Cable entry side cover with retainer 1± 32 1 41

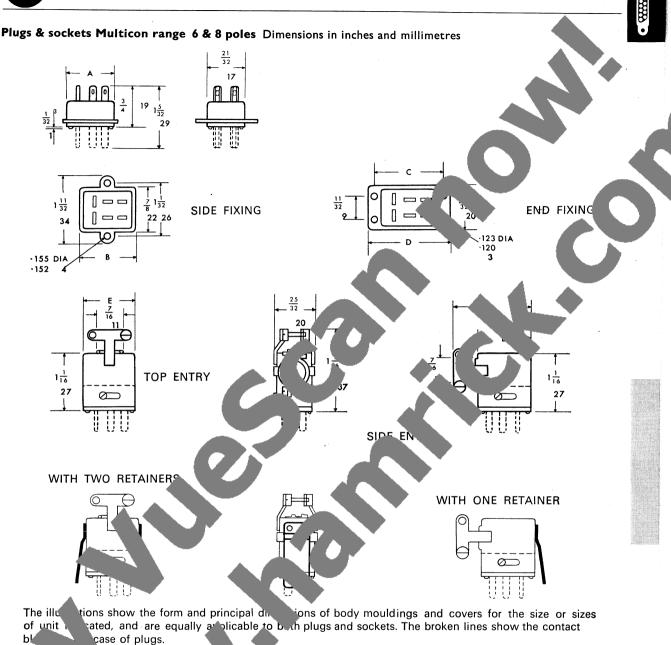
Cable diameter Max. 구, 11 Min. 불 6.5

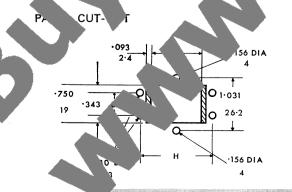
wley (8293) 28700 Telex 8713

Outline drawings on next page.

041-221) 6152 Telex 778841





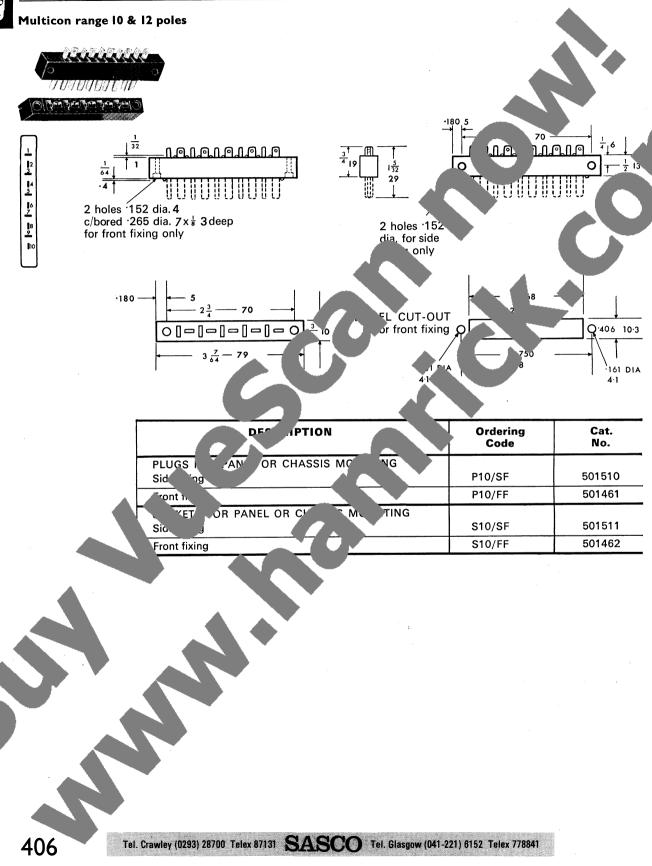


Type of	DIMENSIONS					
Plug or Socket	G	Н				
6 Poles	1.031 26.2	1 ∙250 31 •7				
8 Poles	1 · 281 32 · 5	1 ∙500 38 •1				

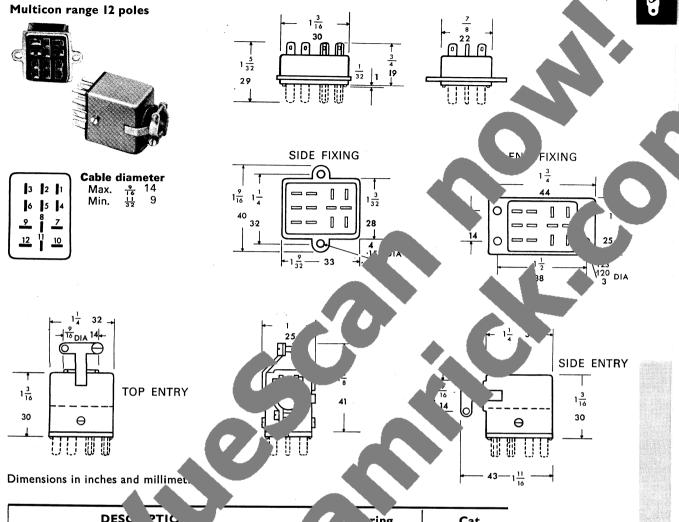
EXTENSIONS MARKED ZZZZZ ARE ONLY NEEDED WHEN RETAINERS ARE FITTED

Tel. Crawley (0293) 28700 Telex 87131 SASCO Tel. Glasgow (041-221) 6152 Telex 778841







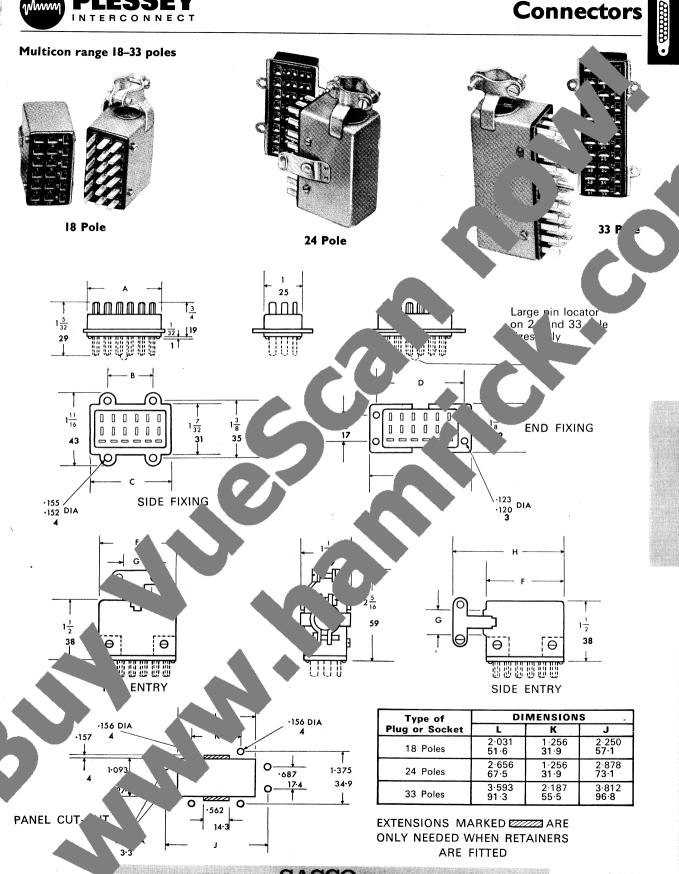


DESC PTIC	ring	Cat. No.
PLUGS FOR PAIL ASSIS MOUNT 3 Side fixing mounting flam S. No. 5935-99- 225	P12/MFS	310072
End fixing rounting flange	P12/MFE	311524
PLUGS FC CABLE TERMINATION Cable Try to over	P12/CT	310070
Cr 'e enu, ver with retainers	P12/CT/R2E	311090
Ca⊾ try side er	P12/CS	310071
able e side cover with ret	P12/CS/R1E	311091
S FOR PANEL OR VASS. JUNTING Side uxing mounting flarge J. No. 5935-99-972-8233	S12/MFS	310075
nd fixing mounting fla.	S12/MFE	311525
SOCKETS FOR C TI MINATION Cable entry top Ver	S12/CT	310073
Cable entry top c r with retainers	S12/CT/R2E	311092
Cable entr,	S12/CS	310074
Cable wys cov with retainer	S12/CS/R1E	311093



Ba-33 poles Num A B C D E G 18 POLES	Multicon range	DESCRIPTION	Ordering	Cat.				DIMEN				
18 POLES Side fing meaning flange P18/MF3 31166 14 40 14 32 24 52 -			Code	No.	A	В	C	D	E	_	G	ŀ
B POLES End Starg maximum Stanga P12/MFE 11520 - - - 24 57 24 -		Side fixing mounting flange				41.00	2					
1 2 1 1 2 1 1 1 1 1 1	18 POLES				1+2 49	1 4 32		21 57	21			-
L 2 13 L 2 13				311520				21 57		- '	<u> </u>	
24 0 1 24 0 1 24 0 1 24 0 1 25 0 1 25 0 1 25 0 1 25 0 1 25 0 1 1 25 0 1 1 25 0 1 1 25 0 1 1 25 0 1 1 1 25 0 1 1 1 25 0 1				311066	—	-	—		-	2	슈 14	-
¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹¹ / ₁₀ ¹⁰ / ₂ ¹¹ / ₂ ¹⁰ / ₂ ¹¹ / ₂ ¹⁰ / ₂ <td></td> <td>Cable entry top cover with retainers</td> <td>P18/CT/R2S</td> <td>313331</td> <td></td> <td>—</td> <td></td> <td></td> <td></td> <td>51</td> <td>☆14</td> <td>-</td>		Cable entry top cover with retainers	P18/CT/R2S	313331		—				51	☆14	-
B ± ± is SOCKETS FOR PANEL OR CHASSIS MOUNTING Max. ± 19.5 SOCKETS FOR PANEL OR CHASSIS MOUNTING Max. ± 19.5 SOCKETS FOR PANEL OR CHASSIS MOUNTING Min. ± 9.5 SOCKETS FOR CALLE TERMINATION Cable diameter SOCKETS FOR CALLE TERMINATION Min. ± 9.5 SOCKETS FOR CALLE TERMINATION Cable entry top cover with retainers STR/CT 311067 Cable entry top cover with retainers STR/CT 311067 Cable entry top cover with retainers STR/CT 20133333 PLUGS FOR PANEL OR CHASSIS MOUNTING (WITH LOCATOR) PLUGS FOR PANEL OR CHASSIS MOUNTING (WITH LOCATOR) B ± j ip PLUGS FOR PANEL OR CHASSIS MOUNTING (WITH LOCATOR) PA/FAS = 0.110.2 B ± j ip PLUGS FOR PANEL OR CHASSIS MOUNTING (WITH LOCATOR) PA/FAS = 0.110.2 B ± j ip PLUGS FOR PANEL OR CHASSIS MOUNTING (WITH LOCATOR) PA/FAS = 0.110.2 Cable entry side cover with retainers SA/FAS = 0.11187 - - - Cable entry side cover with retainers SA/FAS = 0.11187 - - - - SOCKETS FOR PANEL OR CHASSIS MOUNTING SOCKETS FOR PANEL OR CHASSIS MOUNTING 110.2 110.2 110.2 110.2 110.2 110.2 110.2					_	-						2#
Side training normality lineare	$\frac{10}{13}$ $\frac{11}{14}$ $\frac{112}{12}$					-				2 51	☆ 14	2
Cable diameter Socker is FOR CABLE TERMINATION Socker is FOR CABLE TERMINATION Socker is FOR CABLE TERMINATION Min. * 9.5 Cable entry up cover S18/CT 2010 S13033 - - - 2 5.1 1 1 1 1 2 5.1 1 1 1 2 1 1 1 2 5.1 1 1 1 2 5.1 1 1 1 2 5.1 1 1 1 2 5.1 1 1 1 1 1 1 2 1		Side fixing mounting flange			1 ¦ \$ 49	1 ± 3 2	52		_		_	
Max. ★ 14, Min. ★ 9.5 SOCKETS FOR CABLE TERMINATION Cable entry top cover with retainers \$18/CT 31100 2 \$1 \$4 \$7\$ Cable entry uside cover STACKETS \$13333 2 \$1 \$4 \$7\$ Cable entry uside cover 24 POLES PUUGS FOR PANEL OR CHASSIS MOUNTING Gift entry uside cover with retainers \$18/CF 71100 2 \$1 \$6 \$7\$ Cable entry uside cover with retainers \$18/CF 71100 2 \$1 \$6 \$7\$ Cable entry uside cover with retainers \$18/CF 71100 2 \$1 \$6 \$7\$ Cable entry uside cover with retainers \$18/CF 7110 2 \$1 \$6 \$7\$ Cable entry uside cover with retainers \$18/CF 7110 2 \$1 \$6 \$7\$ FUUGS FOR CABLE TERMINATION Cable entry uside cover - 24/CF \$1 \$172 Cable entry uside cover - 24/CF \$1 \$173 Cable entry uside cover - 24/CF \$1 \$173 Cable entry uside cover - 24/CF \$1 \$173 Cable entry uside cover - 24/CF \$1 \$177 Cable entry uside cover	Cable diameter	End fixing mounting flange	S18/MFE	311527	—			2 ± 57	2 ½ 63			
Min. 2 9,5 Cable entry top cover \$18/(1) 11/(10/) - - - - 2 9 24 POLES Cable entry side cover with retainers \$18/(5) \$18/(5) \$13/(5) \$13/(5) - - - 2 9 4 1 2 24 POLES PLUIGS FOR PAREL OR CHASSIS MOUNTING [VITH LOCATOR) [S. No. 9393-99-972-9227 \$24/M \$13/(5) - 2 4 -						K (
24 POLES ¹ / ₂ 2 1 ¹ / ₂						<u> </u>		-			<u> </u>	
Cable entry side cover with retainers \$18/CS/R2S \$1333 - - - 2 -		· · · · · · · · · · · · · · · · · · ·										2+
24 POLES PLUGS FOR PAREL OR CHASSIS MOUNTING (WITH LOCATOR)										2	2	2+
24 POLES (WTH LOCATOR) Sins 593-59-972-8227 P24/M2 5 10 1 21 67 11 2 21 67 11 7 Calle sins mounting flange Sins 593-59-972-8227 1 2 1 2 10 2 2 10 2 2 10 2 2 10 2 2 2 10 2 2 2 10 3 3 POLS For CABLE TERMINATION (WTH LOCATOR) Cable entry top cover 24/CT 911187 2 - 2 1 67 11 7 Cable entry top cover 24/CT 911187 2 1 67 11 7 Cable entry top cover 24/CT 911187 2 - 2 1 67 11 7 Cable entry top cover 24/CT 911187 2 - 2 1 67 11 7 Cable entry top cover 24/CS/R2S 313336 2 1 - 2 1 67 11 7 Cable entry side cover 24/CS/R2S 31338 2 1 - 2 1 67 11 7 Cable entry side cover 24/CS/R2S 31338 2 - 2 1 - 2 1 67 11 7 Cable entry side cover 24/CS/R2S 31338 2 - 2 1 7 3 4 80 1 End fixing mounting flange SCKETS FOR PANL 92 (CT 90 2 1 67 11 7 Cable entry side cover 52 (CS 90 11 11 2 - 2 1 7 3 4 80 2 End fixing mounting flange S24/MFS 31116 2 - 2 1 67 11 7 Cable entry side cover 52 (CS 90 11 11 2 - 2 1 67 11 7 Cable entry side cover 15 22 (CT 1 10 2 - 2 1 67 11 7 Cable entry side cover 15 (CS 90 11 11 2 - 2 1 67 11 7 Cable entry side cover 15 (CS 90 11 11 2 - 2 1 67 11 7 Cable entry ide cover with retainers 24 (CT 1 10 2 - 2 1 67 11 7 Cable entry ide cover with retainers 24 (CT 1 10 2 - 2 1 67 11 7 Cable entry ide cover with retainers 24 (CT 1 10 2 - 2 1 67 11 7 Cable entry ide cover 15 (CS 90 11 11 2 - 2 1 67 11 7 Cable entry ide cover with retainers 23 (CT 12 10 2 - 2 1 67 11 7 Cable entry ide cover with retainers 23 (CT 1 2 0 2 - 2 1 67 11 7 Cable entry ide cover with retainers 23 (CT 1 2 0 2 - 2 1 67 11 7 Cable entry ide cover with retainers 23 (CT 1 2 0 2 - 2 - 3 11 9 1 4 11 2 Cable entry ide cover with retainers 23 (CT 12 0 2 - 2 - 3 11 9 1 4 10 2 Cable entry ide cover with retainers 23 11 20 3 11 9 0 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			•	1			1					
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1 2 13 4 2 16 7 2 17 2 7 2 17 2 7 2 16 7 2 17 2 7 2 17 2			P24/M'	6	27, 65	1‡ 32	2 31 68					Ŀ
1 2 1 2 1 2 6 1 1 7 1 2 6 1 1 7 1 2 6 1 1 7 1	24 POLES	End fixing mounting flange	P24/Iv É	<u></u>	- 1	-		2	* 00			
33 POLS Cable entry top cover $24/CT$ 311187 $ -24$ 67 417 33 POLS Cable entry side cov $24/CT$ 311188 $ -24$ 67 4117 33 POLS Sockets FoR PANE or CHAS MOUNTING $ -24$ 67 4117 3 33 POLS Sockets FoR PANE or CHAS MOUNTING $ -$		1	N	M								
33 POLS Image: Side fixing monthing flang South fi	$\left(\frac{1}{2} + \frac{2}{3}\right)$		24/CT	1311187				_		2 8 67	31 17	
10 11 12 21 67 #17 3 10 11 12 21 67 #17 3 11 12 21 15 14 24 67 #17 3 11 12 21 15 15 15 14 24 68 - 21 67 #117 3 3 3 3 3 3 3 3 4 13 3 3 3 3 3 3 3 3 3 3 3 3 <td< td=""><td>4 5 6</td><td>Cable entry top cover y chainers</td><td>VCT/</td><td>313335</td><td>-</td><td>NZ I</td><td></td><td></td><td>-</td><td>2 8 67</td><td>31 17</td><td></td></td<>	4 5 6	Cable entry top cover y chainers	VCT/	313335	-	NZ I			-	2 8 67	31 17	
13 (4) 15 15 16 16 16 16 16 16 16 16 16 16 16 16 <td></td> <td>Cable entry side cov</td> <td>¹4</td> <td>311188</td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td>2 8 67</td> <td>31 17</td> <td>31</td>		Cable entry side cov	¹ 4	311188				-	-	2 8 67	31 17	31
19 10 11 12 <td< td=""><td></td><td>Cable entry side cov</td><td>24/CS/R2S</td><td>313336</td><td></td><td>E</td><td></td><td>-</td><td></td><td>2 67</td><td><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></td><td>31</td></td<>		Cable entry side cov	24/CS/R2S	313336		E		-		2 67	<u></u>	31
19 20 11 12 24 68 - 2 1 1 1 - - - - - - - 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1<	$\frac{13}{14}$ (14) 15		MOUNTIN	G							}	
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Cable diameter Mix. 31/2 17 Mix. 31/2 17 SOC FO. FO. under EMMINATION WITH. H. TOTOL S24/CT Cable emin. Sock FO. S24/CT Mix. 31/2 10.5 To antry work with retainers SOC FO. S12/CS Cable emin. Sock FO. S24/CT Sock FO. S1111.1 - - Cable emin. Sock FO. S1111.1 - - Cable emin. Sock FO. S1111.1 - - Cable emin. Sock FO. S1111.1 - - Cable enim. Side Cover S12/CS VIGS FOR PANEL CH DN. MITH LOCATOR S11205 Side fixing mounting flange 33/MFE J.S. No. 5325-99-727.8228 P33/CT Sock FO.R CALE TERMINATION WITH LOCATOR Side fixing mounting flange 33/CT Sock FO.R CALE TERMINATION S11206 WITH LOCATOR P33/CS Sock FO.R CALE TERMINATION S11207 WITH LOCATOR P33/CS Sock FO.R Sock FO.R CALE TERMINATION Sock SOR GO.R CHASES	22 23 124				÷.		23 68	-		-		
Cable diameter Max. $\frac{31}{22}$ 17 Min. $\frac{31}{22}$ 10.5 (MITR to TOrty cover S24/CT 190 - - - - - 24 67 91.17 Min. $\frac{31}{22}$ 10.5 (MITR to TOrty cover with retainers S24/CT 190 - - - - - - - - 24 67 91.17 3 33 POLIS (MITR to CATOR) Side fixing mounting flang 24/CT 338 - - - - - 24 67 91.17 3 33 POLIS (MITR to CATOR) Side fixing mounting flang 33/MFS 311205 34 89 24 56 34 91 - <					· —	<u></u>		21 73	3 80	<u> </u>		-
Max. $\frac{31}{24}$ 17 Min. Coble environment over S24/Cl 90 - 24 67 $\frac{14}{17}$ 3 Cable enver with retainers< 54/Cl A22 33.8 - - - - - 24 67 $\frac{14}{17}$ 3 Cable enver with retainers 53/Cl CA108 P3/MES 311205 34 89 24/ 56 3H 91 - - - - - - - - - - - - - - - - - - 10 </td <td>Cable diameter</td> <td></td> <td>F 🗸</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Cable diameter		F 🗸									
Mill: $3\frac{1}{22}$ 10.3 Mill bit Million bit of the energy of the e	Max. 👫 17	C ble en. cover		190		-	-			+		-
Cable energy side cover with retainers O $4/(2 + 32) = 338$ - - 2 $\frac{1}{2}$ 67 $\frac{1}{2}$ 17 $\frac{3}{2}$ 67 $\frac{1}{2}$	Min. $\frac{13}{32}$ 10.5		+	3.				-			+	2
33 PO'S UGS FOR PANEL CH UN 33 PO'S Side fixing mounting flange 93/MFS 311205 3± 89 2± 56 3± 91 - 3# 90 2# 19 0 2# 19 0 2# 19 0 2# 19 0 2# 19 0 2# 19 <td></td> <td></td> <td> · ·</td> <td></td> <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>			· ·			+						-
33 PO'LS ITH LOCATOR) Side fixing mounting flang J.S. No. 5935-99-972-8228 P33/MFS 311205 3½ 89 2 ⁺ / ₂ 56 3 ⁺ / ₂ 97 4 ⁺ / ₁ 103 - 3 ⁺ / ₁ 90 19 4 19 4 19 4 19 4 19 4 19 4 19 4 <td< td=""><td></td><td></td><td></td><td></td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></td<>					1	1	1	1	1	1	1	1
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33 PO Image: Signal state in the point of the poin			P33/MES	311205	3+ 89	2 - 3 56	3# 91	_			_	
PLUGS FOR C :: E TERM: ATION (WITH LOCAT: Cable entring c: P33/CT 311206 - - - - - - 3 + 90 3 + 19 Cable entring c: P33/CT 311206 - - - - - - - 3 + 90 3 + 19 Cable entring c: P33/CT 311207 - - - - - - - - 3 + 90 3 + 19 Cable entring c: P33/CS 311207 - - - - - - - 3 + 90 3 + 19 Cable introduction over with retainers P33/CS/R2S 313296 -	33 PO' 5	and the second		311530	-			3 } 97	4++103			+
Cable entry top co P33/CT 311206 3+ 90 \$19 Cable entry top co P33/CT 311206 3+ 90 \$19 Cable entry top co P33/CT/R2S 313295 3+ 90 \$19 Cable entry top cov P33/CS 311207 3+ 90 \$19 4 Cable entry top cov P33/CS 311207 3+ 90 \$19 4 Cable entry top cover with retainers P33/CS/R2S 313296 3+ 90 \$19 4 Viscal Control Net Control P33/CS/R2S 313296 3+ 90 \$19 4 Viscal Control Net Control Sign 35-99-972-8236 S33/MFS 311208 3± 89 2+ 56 3H 91		PLUGS FOR C E TERM' ATIO	Ň	1								1
7 8 19 Cable entry Cover P33/CS 313295 3 + 90 \$ + 19 Cable entry Cover P33/CS 311207 3 + 90 \$ + 19 Cable entry Cover P33/CS 311207 3 + 90 \$ + 19 Cable entry Dover with retainers P33/CS/R2S 313296 3 + 90 \$ + 19 4 Cable intry Dover with retainers P33/CS/R2S 313296 3 + 90 \$ + 19 4 Cable intry LOCATOR) Site 100 CATOR) Site 100 CATOR)			P33/CT	311206	_	_	_	_	_	3 🖧 90	* 19	
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22 23 24 535-99-972-8236 S33/MFS 311208 34 89 27:56 311 91 - <td>16 (17) 18</td> <td>KETS ANEL OR CHASE</td> <td></td> <td>G</td> <td>1</td> <td></td> <td></td> <td></td> <td>I</td> <td>Ī</td> <td> </td> <td>Τ</td>	16 (17) 18	KETS ANEL OR CHASE		G	1				I	Ī		Τ
22 23 124 126 127 126 127 126 127 127 126 127												
25 26 127 Eng. ng mounting flange \$33/MFE 311531 - - 3H 97 4+103 - - 28 29 30 3E 3E 3E 3E - - - 3H 97 4+103 - <t< td=""><td>22 23 24</td><td>5935-99-972-8236</td><td>S33/MFS</td><td>311208</td><td>3± 89</td><td>2랴 56</td><td>3±2 91</td><td>-</td><td>-</td><td>-</td><td>-</td><td>1</td></t<>	22 23 24	5935-99-972-8236	S33/MFS	311208	3 ± 89	2 랴 56	3 ±2 91	-	-	-	-	1
3^{-} 3^{-} 3^{-} 3^{-} 3^{-} 3^{+} 5^{-} 3^{+} 3^{+} 3^{+} 3^{+} 3^{+} 3^{+}	25 26 27			311531	<u> </u>			3 } 97	4+;103	-	<u> </u>	1_
Cable entry top cover with retainers $S33/CT/R2S$ 313297 $3 \div 90$ $\ddagger 19$ Cable entry top cover with retainers $S33/CS$ 311210 $3 \div 90$ $\ddagger 19$ $\ddagger 19$	28 29 30 31 32		ION					1				1
Cable a Cable entry tide cover $S33/CS$ $311210 37690 \frac{3}{2}19 4$	<u> </u>		S33/CT			-	<u> </u>		-			\downarrow
	Cable	Cable entry top cover with retainers			-		-	1-				1
	March 19					+		<u> </u>				43





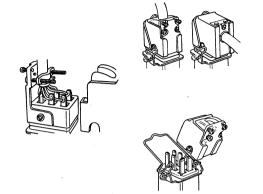
Tel. Crawley (0293) 28700 Telex 87131 SASCO Tel. Glasgow (041-221) 6152 Telex 778841



Connectors

Heavy duty Multicon range

The range consists of 4, 6, 8, 12, 18, 24 and 33 pole sizes, using the same body mouldings, plug blades and socket clips as the Multicon range. Both plugs and sockets may be supplied either with a panel mounting flange and retaining loop or with a two part cover of rigid design to facilitate wiring and checking of joints. The covers are available



with either top or side entry and are fitted with earthing tags. Cable clamps are housed entirely within the cover. Electrical contact is provided by a heavily silver produce plug blade and socket clip, each clip having split lips so that four individual areas are in contact with each plug blade.

Heavy duty Multicon range 4, 6 &

Specification

Ambient temperature range Humidity classification Voltage rating

Current rating

Proof voltage

Cor

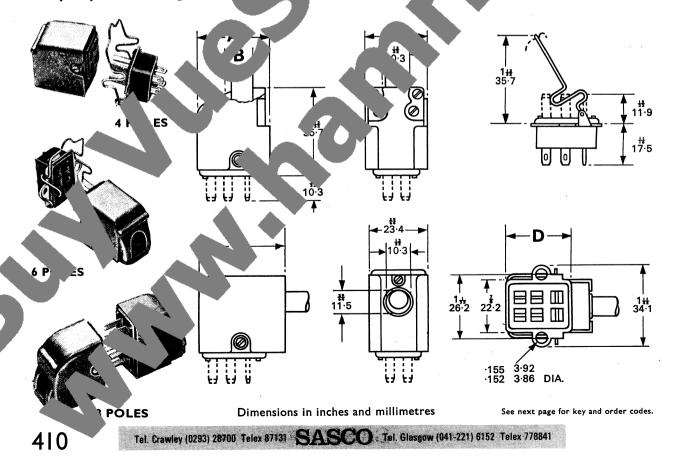
resi

-40 °C to +100 °C H5 (DEF 5011) 500 V D.G beak (Tropical C 1000V D.C peak ditions) (Temp D.C .C. r.m.s. per 5 a/ 70 °C mps or A.C. r.m.s. pe 00 °C act

100V D.C. or A.C veen contacts 3000V D.C. or and between contac 3000V D.C. A.C. neak bver between contac and 2 m Ω (·002 Ω) ave. 2·5 mΩ 0025 Ω maximum

rminal numbering is described by the solution of the solution is soldering tag on the solution of and enables com the call of inclusion in quipt in solution or socket covers.

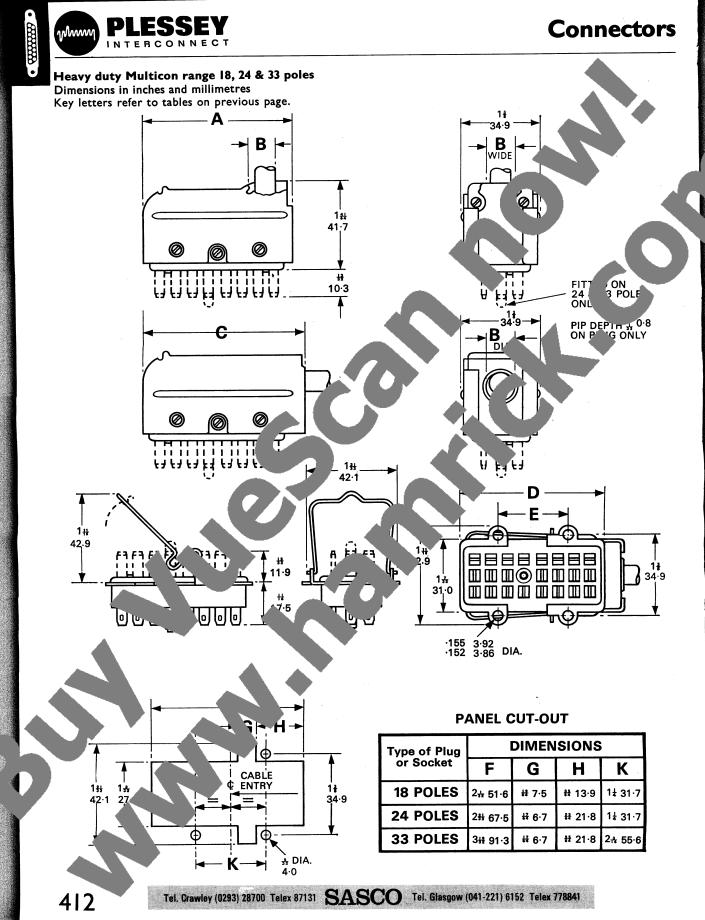
is both the plug bears cy to the approma. face. This facilitates te cable fc. ms to be tested prior 's wi out removing the plug





Connectors

v looking on solder tags					D	IMEN	SIONS	
solder tags socket face	DESCRIPTION	Part Numbers	ļ	A		В	C	L
les	Plug with panel mounting flange Fitted with retaining loop	310566	in.		in.		in. r	32 .3·8
$\begin{bmatrix} 3\\ I\\ 4 \end{bmatrix}$	Plug with top entry cover	311751	<u>63</u> 64	25·0	7 16	1		-
e diameter	Plug with end entry cover	311744	-	-			18 28-6	-
$\cdot \frac{3}{32} 2 \cdot 4$	Socket with panel mounting flange Fitted with retaining loop	310567		-			_	<u>2</u> 7).
	Socket with top entry cover	311793	्रि		$\frac{7}{16}$ 11.1			
	Socket with end entry cover	NT				_		-
les	Plug with panel mounting flange Fitted with retaining loop	310.	-	-		70		1 1 2 26·2
	Plug with top entry co	311752	1붊	28	2 <u>1</u> 64	5	_	_
diameter	Plug with end entress r	311745				-	″1 <u>∔+</u> _34 ·1	_
$\frac{3}{8}$ 9.6 $\frac{3}{32}$ 2.4	Socket with and use a flange Fitted with hing	31057			-	_		1 <u>1</u> 2 26·2
	ket white http://www.	- 4	đ	28·6	<u>29</u> 64	1 1 ∙5		
	ith end entry	311/87			-		1 <u>++</u> 34·1	
les	Plug with panel mounting flat Fitted with retaining loop	310568	-		•			132 32.5
	Plug with top we r	311753	13	34 · 9	<u>29</u> 64	11 ·5		_
iv .	Plug with cover	311746	-	_	-	_	1 37 40·1	
diameter $\frac{3}{3}$ 9.6 $\frac{3}{32}$ 2.4	Figure 1 panel mounting flange taining loop	310569	-	_		_		1 32 32·5
	Soc with top entry cover	311795	1 <u>3</u>	34 · 9	<u>29</u> 64	11.5	. <u> </u>	_
	Socket with end entry cover	311788	-		-	_	1 37 40·1	_





• 60000000

View looking on			т. NO.		1	IMENSIO	1	_	
plug solder tags and socket face		Plain	With Locator	A in. mm	B in. mm	C in. mm	D in. mm	E	
	Plug with panel mounting flange Fitted with retaining loop	310610	-			_	2 3 1 ∙6		
$\frac{1}{4} \frac{2}{5} \frac{1}{16}$	Plug with top entry cover	311755	-	274 53 6	<u>३३</u> 13·9				
7 8 9 10 11 112	Plug with end entry cover	311748	·			23		_	
Z B 10 10 11 112 13 14 115 16 17 118	Socket with panel mounting flange Fitted with retaining loop	310611		_	_		2 ,¦, 51 ⋅6	1# 31-7	
18 POLES	Socket with top entry cover	311797		27 53	÷ 1.	-			
Cable diameter Max. <u>17</u> 13-4 Min. <u>5</u> 33-9	Socket with end entry cover	311790	-			2 21 59 1			
$\left(\frac{1}{2}\right)$	Plug with panel mounting flange Fitted with retaining loop	-	; 343		-		241 67.	11 31.7	
4 3 16	Plug with top entry cov		339	2 3 69 8	<u>3</u> 16·7		-		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Plug with end entry cover		340			74.6		·	
16 17 18 19 20 121 22 23 124	Socket with pane mounting flange Fitted with r tain, an-		313344			-	2 81 67·1	1 31 .7	
24 POLES	Socker with to,	_	313341	69	16.7				
Cable diameter Max. 🛔 Min. 32	Sc with end	-	313342	<u> </u>		2₩ 74.6	-		
	Plug with panel mounting flange Fitted with retaining loop	-	16550		-		3 <u>+3</u> 91 ·3	2 👬 55 · 6	
	Plug with top entry		316385	3 18 93·7	<u>{3</u> 17·9	-	·	•	
	Plug with end e	-	316386			3≩ 98.4	·		
22 124 25 26 127 28 29 130 31 32 133	Socket vitre, moun flange Fitted v. etaining loop		316552			_	3號 91.3	2] 55 6	
33 POLFS	So it p nu over	-	316387	3₩ 93.7	👬 17·9				
Cable dian. Max 11, Min.	Socket with end entry cover	-	316388			3 7 8 98 ⋅ 4			



159 Series

The 159 range of plugs and sockets is available with from 7 to 71 poles, and a simple but extremely efficient locking device, gold flash on contacts and solder tags, a robust cover with either top or side cable entry protected by a bonded plastic coat. An inner plastic coating provides insulation between solder tags and cover.

Contacts are arranged in two rows for the 7 to 31 pole range and four rows for the 35 to 71 pole. One row contains a polarised cavity.

The 159 series, apart from normal plug and socket applications and use as a unitor, provides an efficient cable coupling. When used as a cable connector both plug and socket will be provided with the standard cover, the plug member however being fitted with the 159 series retainer.

Specification

Working voltage Current rating 350V D.C. or A.C. (peak) 3 amps D.C. or A.C. (RMS) at 55 °C 5 amps D.C. or A.C. (RMS) at 20 °C 70 °C

Maximum operating70 °CtemperatureAverage contact resistance0.0025 ΩresistanceFlashover voltage4kV betw

hč

Insulation resistance

Vibration category Insertion and withdrawal force

Line connector

4kV betweer ontacte tween conta ar $M\Omega$ Greater tha. initially. Greater the **0**¹¹Ω (10⁵MΩ) -16 atic ex-DE' posure **JOI** VI (DE 4) nei average

Materials Clips

ciips

Blade

Body mouldings Cover End plates and cable clamps

Conversion from top

nt.

The cable clamp provide of the cover from and reversal.

Beryllium coppe old flashed on 0.0003 silver Brass—gold f ed on 0003 silver Delrin 50 Aluminium 71, 7C coated Zinc

Connectors

try ide entry

de entry by its reada

This i en by removing cable clamp screw A and case r g sc. B. Case may now be moved away from ple p mounting in the direction of the arrow, and cable amp lifted clear, reversed and replaced.

in onnector with cover-4 row



159 Series 2 Row

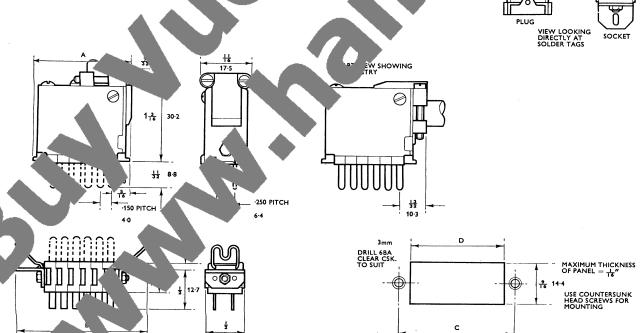
With mounting brackets, with or without retainers

		PART NU	JMBERS	-		\mathbf{N}				
NO. OF	PLU	ne	soc	SOCKET		В		С		
WAYS	WITH RETAINERS	WITHOUT RETAINERS	WITH RETAINERS	WITHOUT RETAINERS	INCH	мм	INCH	Mu		мм
7	74/10/0706/10 (324825)	74/10/0705/10 (324797)	74/10/0756/10 (324839)	74/10/0755/10 (324811)	1.37	34.8	1.13		0-35	21.6
11	74/10/1106/10 (324827)	74/10/1105/10 (324799)	74/10/1156/10 (324841)	74/10/1155/10 (324813)	1.67	42.4	1.	36.	1.15	29·2
15	74/10/1506/10 (324829)	74/10/1505/10 (324801)	74/10/1556/10 (324843)	74/10/1555/10 (324815)	1.97	50·0	-3		1.44	36·F
19	74/10/1906/10 (324831)	74/10/1905/10 (324803)	74/10/1956/10 (324845)	74/10/1955/10 (324817)	2.26	E	2.د	51·3	1.74	4
23	74/10/2306/10 (324833)	74/10/2305/10 (324805)	74/10/2356/10 (324847)	74/10/2355/10 (324819)	2.56	65·0	32	58·9	2.04	 ه۱۰ه
31	74/10/3106/10 (324837)	74/10/3105/10 (324809)	74/10/3156/10 (324851)	74/10/3155/10 (324823)	3	80.0	2.91	73·9	2.6	66-8

Obsolete part numbers shown in brackets.

With cover

NUMBER		PART NUMBERS								
OF WAYS	PLUG	PLUG WITH RETAINER	ET		ON A 		31			
7	74/10/0701/10 (324965)	74/10/0702/10 (324993)	7)/0751/10 24979)	1.06	2F					
11	74/10/1101/10 (324967)	74/10/1102/1 (324995)	7	1.35	34.3					
15	74/10/1501/10 (324969)	74/10/1502 (324997)	7/1551/10 (4983)	1.65						
19	74/10/1901/10 (324971)	74/10/1902/10 (324990	7 J/1951/10 	1.94	4. —	4				
23	74/10/2301/10 (324973)	74/10 (3)01	/4/10/2351/10 (324987)	2	-9					
31	74/10/3101/10 (324977)	74/1 ,10	74/10/3151/10 (324991)		71 J					
						<u>, t'out</u> '	י ניי יין ש			



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PANEL CUT-OUT

12.7



159 Series 4 row

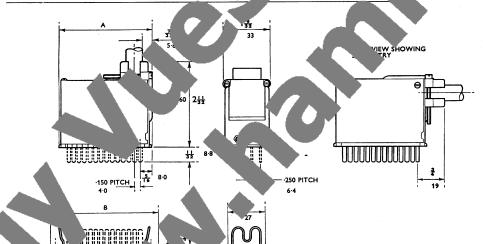
With mounting brackets

		PART NUM	IBERS				DIMEN	SIONS		
NO. OF	PL	PLUG		SOCKET		В		; (,	_ (2
WAYS	WITH RETAINERS	WITHOUT RETAINERS	WITH RETAINERS	WITHOUT RETAINERS	INCH	мм	INCH		INCH	мм
35	74/10/3506/10	74/10/3505/10	74/10/3556/10	74/10/3555/10	2.13	54·1	1	48·0	1.60	40.6
47	74/10/4706/10	74/10/4705/10	74/10/4756/10	74/10/4755/10	2.58	65·5	34	4	2.05	52.1
55	74/10/5506/10	74/10/5505/10	74/10/5556/10	74/10/5555/10	2.88	.7		ة 7·1	2.35	F
59	74/10/5906/10	74/10/5905/10	74/10/5956/10	74/10/5955/10	3.03	1.0	-9	70-9	2.50	63-5
71	74/10/7106/10	74/10/7105/10	74/10/7156/10	74/10/7155/10	3.48		3·24	82·3	2.5	

With cover

NO.		PART NUMBERS]		CABLE ENTRY END	• क ्रा	
OF WAYS	PLUG	PLUG WITH RETAINER	SOCKET	CH	мм			
35	74/10/3501/10	74/10/3502/10	74/10/355 10	$\left(\right) $	45.7			
47	74/10/4701/10	74/10/4702/10	74/ ₊751/1c	25	57.2			
55	74/10/5501/10	74/10/5502/10	74 5551/1	2.55	64		PLUG	
59	74/10/5901/10	74/10/590 0	אין	2.70	68		CONTACT N VIEW LO DIRECTL	OKING
71	74/10/7101/10	74/10/7102,	74 /7151/10	3.15			SOLDER	tags

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MAXIMUM THICKNESS

28 USE COUNTERSUNK L- HEAD SCREWS FOR MOUNTING

132

Jamm DRILL 68A TO SUIT

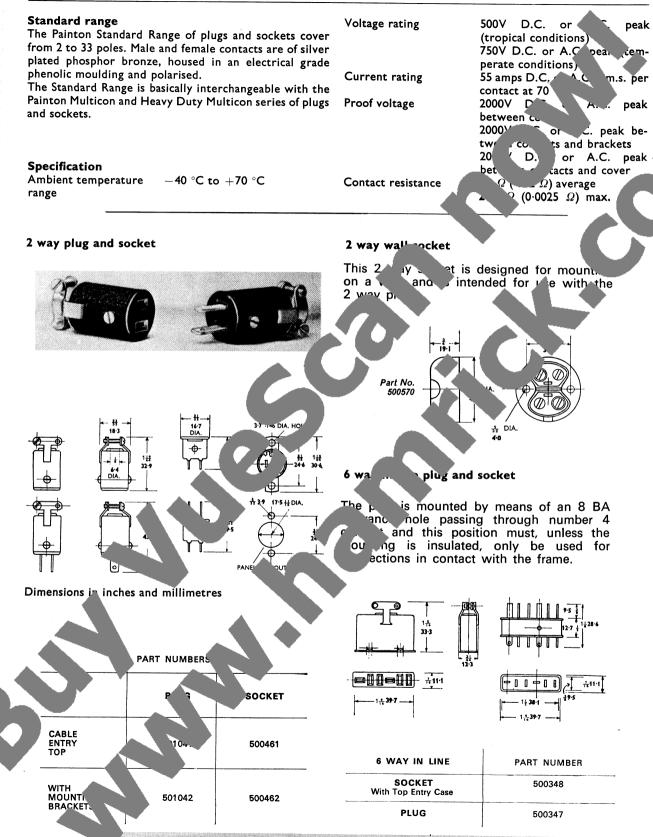
13

PANEL CUT-OUT

с

416



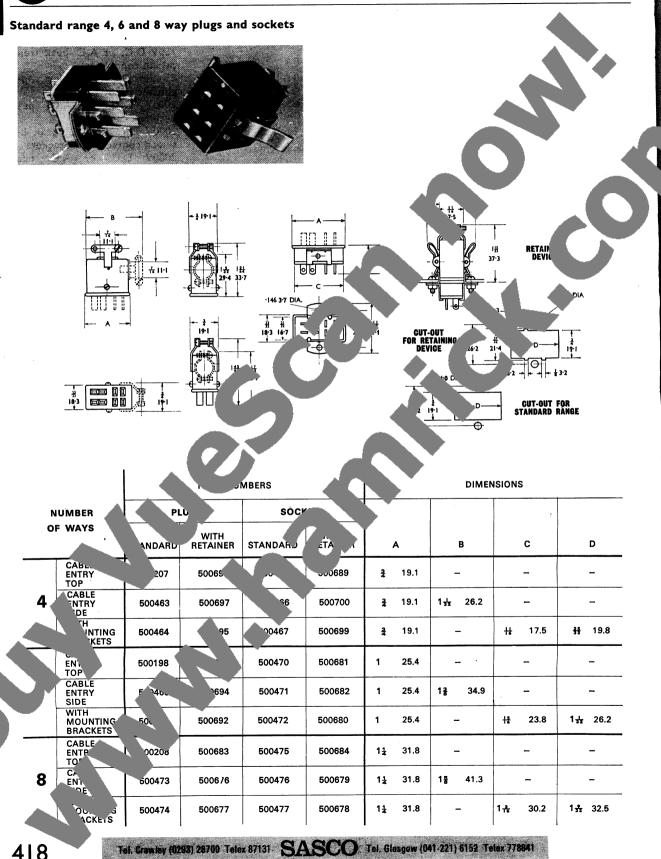


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Connectors





5006

500686

500688

soci

180

22

00481

STANL

PART NUMBERS

WITH RETAINER

500690

50

PLUG

STANDARD

500204

500478

500479

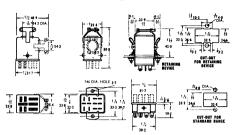
CABLE ENTRY TOP

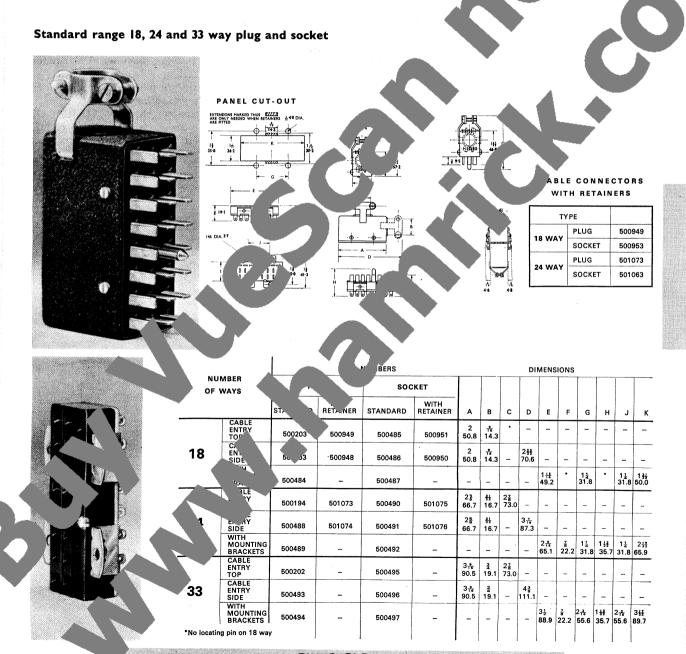
CABLE

WITH MOUNTING BRACKETS

SIDE

Standard range 12 way plug and socket





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Microcon range

Painton Microcon printed circuit connectors are suitable for boards punched to the standard 0.1 in (2.5 mm) pitch. Plugs are available with the contact blades either at 90° or in line with, the solder tags for horizontal or vertical mounting, the mating sockets being respectively mounted on the associated chassis giving a plug-in facility to the board, or fitted with a cover and connected to a free cable. The inner surfaces are sprayed with an insulating coating to obviate short circuits.

The plugs may be fixed to the board by either passing the solder tags through standard 0.052 in (1.3 mm) holes, flattening them to ensure mechanical rigidity and then dip soldering, or by a bracket at each end, for which tapped metal inserts are provided. A further version may be bolted directly to the board through transverse fixing holes.

All mouldings are of a nylon filled phenolic in two halves to allow insertion of the wire retaining loops and removal of any plug contacts for polarising purposes. Polarised versions are available.

Dimensions in inches and millimetres obsolete part numbers shown in brackets.

2.738

69·5

2.400 CRS

61.0

2/10 (3

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PLUG PART No 73/10/

73/

UG PART No. 73/10/1005/10

(316292)

2.738

6

ART No. 73/11/0001/00

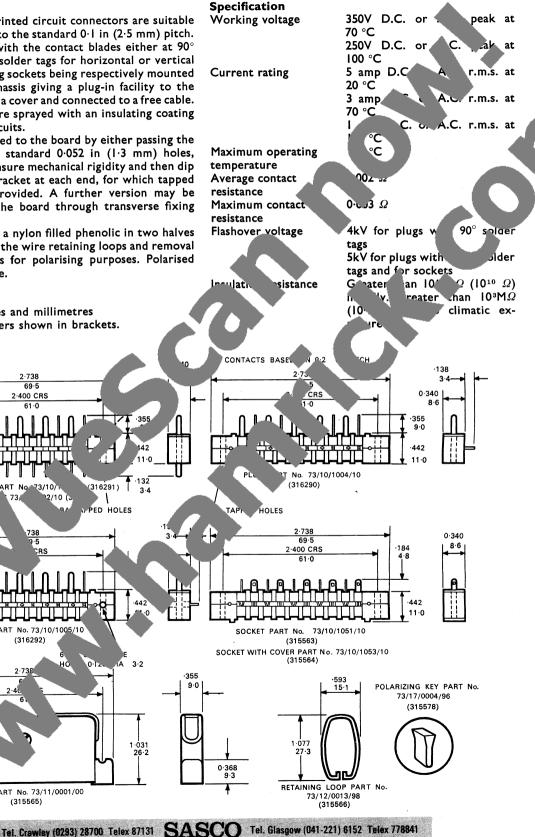
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WITH RETAINING LOG

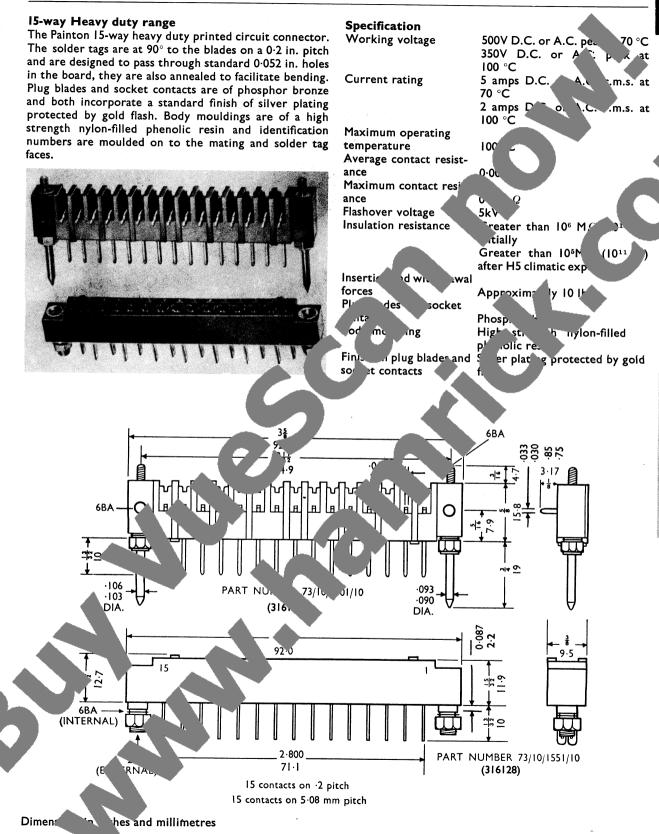
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PED HOLES









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