

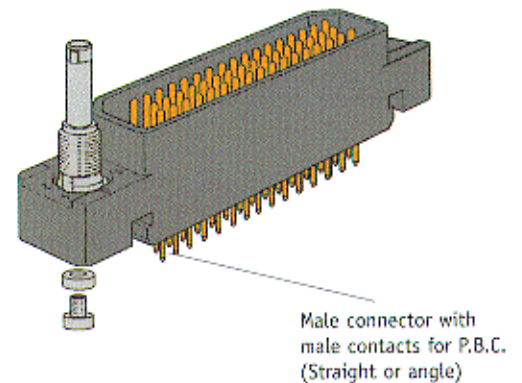
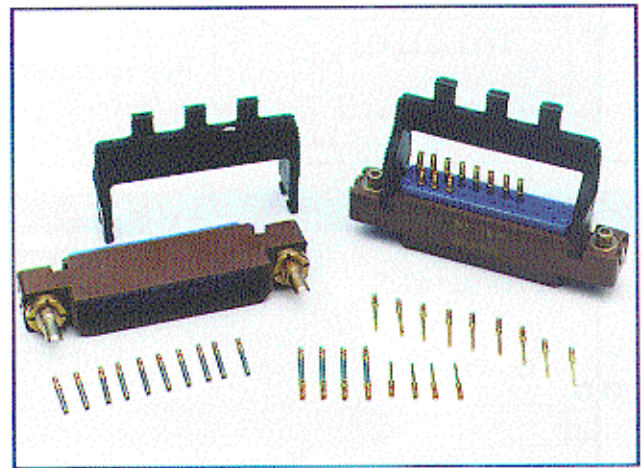
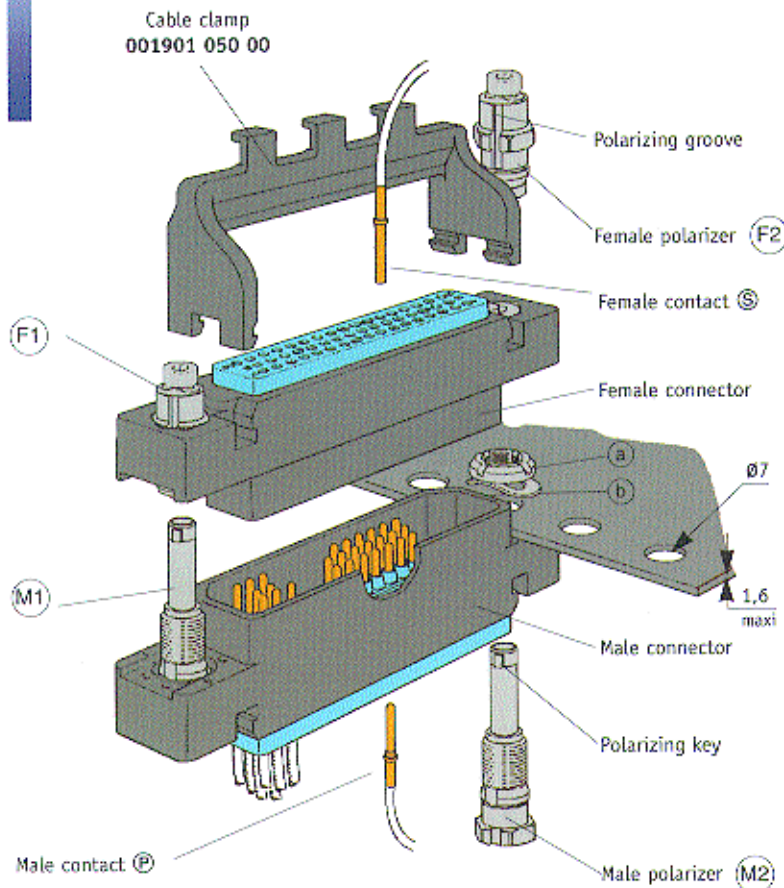


RECTANGULAR CONNECTORS TYPE 1977

- QUICK JUNCTION SEALED CONNECTORS - NF F 61-030 Standard.
- High density of contact points wired with standardized tools.
- Crimp contacts (P) and (S) sizes 20 - 16 - 12 - 10, cable sections 0,352 to 5 mm² for 7,5 A to 33 A. EN 3155 Standard.

- Solder cup contacts and P.C.B. contacts.
- Contacts are identified by a numbering system on the grommet.
- Sealed with a patented overmoulded grommet.
- Side by side modular connectors.

SECTION 9[°]



This connector type 1977 includes:

- 1 male connector with male contacts (P)
- 1 female connector with female crimp contacts (S) and solder cup contacts for P.C.B.
- 2 snap-on cable clamps
- 2 fixations allowing 36 polarizing combinations.

(M1) and (F1) polarizers are assembled with clips from the back of the connectors, with reference facing the chosen code. They are disassembled on the mating side by pressing the AIR LB extracting tool. Extraction tool for (M1) and (F1) polarizers : 001901 00390.

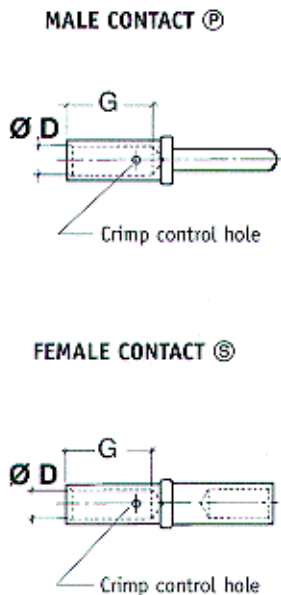


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CONNECTORS WITHOUT POLARIZING POSTS AND WITHOUT CABLE CLAMPS

LAYOUT		50 CONTACTS	21 CONTACTS	13 CONTACTS	7 CONTACTS
		SIZE 20	SIZE 16	SIZE 12	SIZE 10
	Female connector (80 x 14)	001977 210 00 A = 19 mm	001977 310 00 A = 19 mm	001977 410 00 A = 19 mm	001977 510 00 A = 19 mm
	Male connector (80 x 14)	001977 220 00 A = 19 mm	001977 320 00 A = 19 mm	001977 420 00 A = 19 mm	001977 520 00 A = 19 mm
	Male connector for P.C.B.	001975 220 00 $\varnothing a = 0,6$ mm	001957 220 00 $\varnothing a = 1$ mm		

CONTACTS



CONTACT				CABLE				TOOLS			
REFERENCE	S/P	SIZE	Ø D	G	Section mm ²	Ø on jacket	Weight g. %	Crimping pliers	Positionner	Insertion - Extraction	
001704 202 92	S	20	1,35	4,7	0,35	0,85	17,5	M 22520/2-01	M 22520/2-08	M 81969/1-02 001112 220 25	
001714 202 92	P		1,3	3,6	1	1,73	14,1				
001704 302 92	S	16	1,87	5,82	0,6	1,31	35	M 22520/1-01 M 22520/7-01	M 22520/1-04 M 22520/7-04	M 81969/1-03 001112 320 25	
001714 302 92	P		1,84	5,31	1,5	2,4	35				
001704 400 92	S	12	2,59	5,82	1,91	1,93	80	M 22520/1-01	M 22520/1-04	M 81969/14-04 001112 400 25	
001714 400 92	P		2,49	5,31	2,5	3,7	70				
001704 600 92	S	10	3,56	9,78	2,98	2,41	170	M 22520/23-01	Die set: 414 DA-10N Locator 4536	M 81969/14-05 001112 600 25	
001714 600 92	P		3,4	9,02	4	5,2	140				

TECHNICAL DATA

MECHANICAL

Shell	Material	:	Thermoplastic
Grommet	Material	:	Blue fluorinated elastomer
Contact	Material	:	Copper alloy
	Protection	:	Gold plated nickel
Vibrations		:	10 to 2 000 Hz frequencies acceleration 20 g

SHOCKS

50 g - 11 ms

CONTACT RETENTION

Size 20: 6 daN
Size 16: 11 daN
Size 12: 13,3 daN
Size 10: 13,3 daN

CLIMATIC

Operating Temperature	:	-55°C +150°C permanent
Salt spray	:	96 hours

SEAL

: IP 66 with appropriate cable Ø

ELECTRICAL

Max. running current	:	250 RMS volt 50 Hz
Current test	:	1 500 RMS volt 50 Hz
Max. current at 20°C	:	Size 20: 10 A Size 16: 16 A Size 12: 23 A Size 10: 33 A
Insulation resistance	:	≥ 5000 MΩ under 500 Vcc