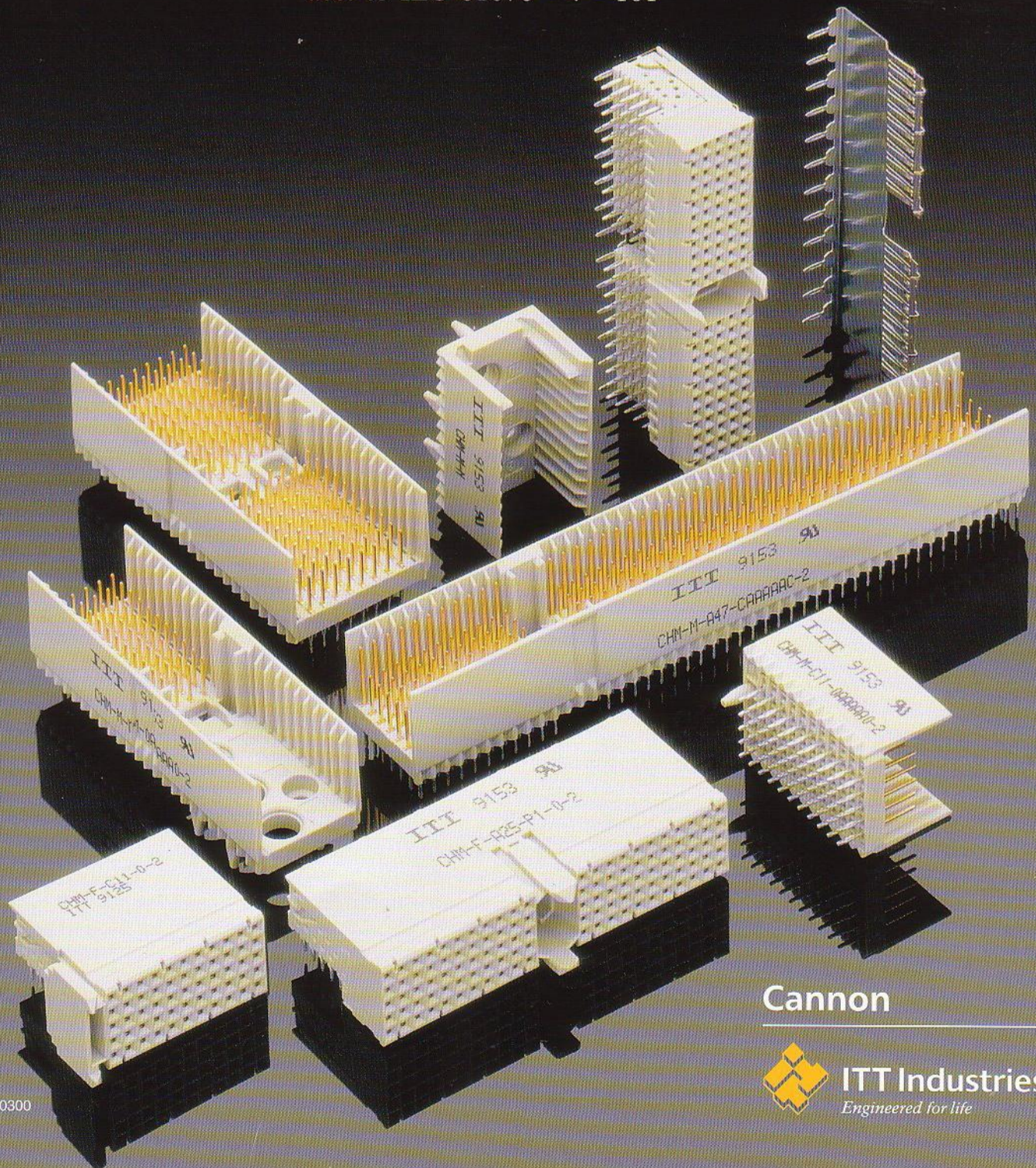

CHM

2.0 CONNECTOR SYSTEM

acc. to IEC 61076 - 4 - 101



Cannon



ITT Industries
Engineered for life

Technical Data

Electrical and mechanical data

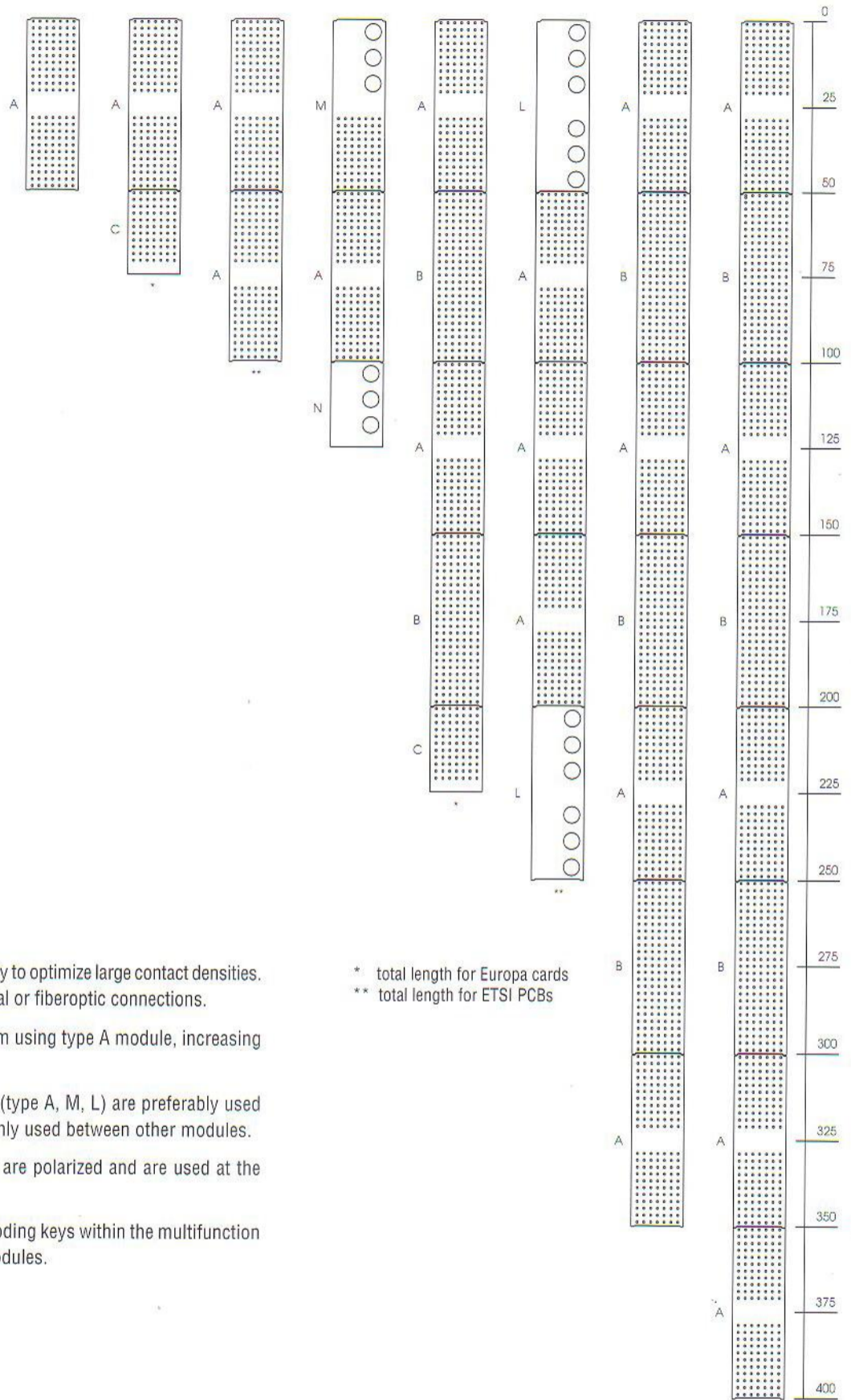
Spacing		2 mm
Temperature range		- 55°C bis +125°C
Mechanical durability	Performance class 1 Performance class 2	> 500 Mating Cycles > 250 Mating Cycles
Housing		Polyester Glass filled acc. UL 94V-0
Contact resistance acc. to IEC 512-5		max. 20mΩ
Contact material	Male contact	Bronze
	Female contact	Bronze
Male and female contact surface		Au over PdNi over Ni
Insulation resistance acc. IEC 512-5	Contact/Contact	min. 10 ⁴ MΩ
	Contact/Shield	min. 10 ⁴ MΩ
Insertion force per pin	Contact	max. 0,75 N
	Shield	max. 1 N
Extraction force per pin	Contact	min. 0,15 N
	Shield	min. 0,15 N

Test voltage

		fully loaded	every 2nd position	Chessboard
Row a, c, e Row b, d	within row	750 V _{eff}	1500 V _{eff}	--
	between rows	1500 V _{eff}	1500 V _{eff}	--
Row a, b, c Row a, b, c, d Row a, b, c, d, e	within row	750 V _{eff}	1500 V _{eff}	1500 V _{eff}
	between rows	750 V _{eff}	750 V _{eff}	1200 V _{eff}

Creepage- and air gaps

		fully loaded		every 2nd position		Chessboard	
		Male connector	Modules Female connector	Backplane Male connector	Modules Female connector	Backplane Male connector	Modules Female connector
Row a, c, e Row b, d	within row	0,8 mm	0,6 mm	2,5 mm	2,5 mm	--	--
	between rows	2,5 mm	2,5 mm	2,5 mm	2,5 mm	--	--
Row a, b, c Row a, b, c, d Row a, b, c, d, e	within row	0,8 mm	0,6 mm	2,5 mm	2,5 mm	2,5 mm	2,5 mm
	between rows	0,8 mm	0,6 mm	0,8 mm	0,6 mm	1,5 mm	1,2 mm



System modularity

CHM 2.0 modules offer a great versatility to optimize large contact densities. Especially the combination with coaxial or fiberoptic connections.

Stacking can be arranged from 50 mm using type A module, increasing in 25 mm steps to required lengths.

Connectors with multifunction block (type A, M, L) are preferably used at the top of any column. Type B is only used between other modules.

The modules type C and N (25 mm) are polarized and are used at the bottom end of the columns.

Correct mating is assured by use of coding keys within the multifunction block and by use of type C and N modules.

* total length for Europa cards
 ** total length for ETSI PCBs