



TECHNICAL SPECIFICATION

INSULATOR MATERIAL : THERMOPLASTIC POLYESTER UL94V-0, GREY
HOUSING CAN WITHSTAND EXPOSURE TO LEAD FREE WAVE SOLDERING TEMPERATURE OF 260-265°C FOR STRAIGHT CONNECTORS AS IT IS IN CLASSICAL LEAD WAVE SOLDERING AT 235-250°.

CONTACT / HARPOON MATERIAL : COPPER ALLOY

CONTACT PLATING

ACTIVE ZONE : GOLD OVER NICKEL

TERMINATION ZONE

TIN LEAD VERSION : TIN LEAD OVER NICKEL

LEAD FREE VERSION : TIN (PURE MATTE) OVER NICKEL

HARPOON PLATING

TIN LEAD VERSION : TIN LEAD OVER NICKEL

LEAD FREE VERSION : TIN (PURE MATTE) OVER NICKEL

ELECTRICAL DATA

CURRENT RATING AT 20°C : 1.5 A

CURRENT (I MAX) : 2 A

TEMPERATURE RANGE : -55°C/+125°C

CONTACT RESISTANCE : ≤ 20mΩ

INSULATION RESISTANCE : ≥ 10⁶ MΩ

TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA

INSERTION FORCE PER CONTACT : ≤ 0.94N

EXTRACTION FORCE PER CONTACT : ≥ 0.15N

REFERENCE SPECIFICATIONS : DIN 41612 / IEC 603-2

SERIES	8609	3	96	8	1	14	7	5	5	V1
ROWS FITTED WITH CONTACTS										
Rows a-b			2	64						
Rows a-b-c			3	96						
Rows a-c			4	64						
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW FEMALE INSULATOR			8							
METHOD OF MOUNTING										
STANDARD MOUNTING STYLE- C			1							
TERMINATION										
STRAIGHT SPILL (LONG)			14							
STRAIGHT SPILL (SHORT)			24							
OPTIONS										
NO OPTION			7							
WITH HARPOONS			H							
PERFORMANCE CLASS										
4 - DIN 41612 CLASS 3			4							
5 - DIN 41612 CLASS 2			5							
6 - DIN 41612 CLASS 1			6							
8 - AS PER MIL C 55302/JSS 50808			8							
PITCH PER ROW										
2.54			5							
V1	TIN LEAD VERSION									
V1LF	LEAD FREE VERSION									

NOTES:-

- THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 3.5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6 MM MINIMUM THICK CIRCUIT BOARD
- LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.

mat'l. code	surface	tolerance	projection	product family
-	ISO 1302	ISO 406 ISO 1101		8609
ltr	ecn no	dr	date	title
B	I04-0100	MINI	09/11/2004	DIN STANDARD RECEPTACLE STRAIGHT SPILL DIN 41612 STYLE-C
C	I05-0042	MINI	19/05/2005	
D	I05-0086	MINI	02/06/2005	
E	I06-0063	MINI	01/06/2006	
				tolerances unless otherwise specified
				angles
				linear
				0°±1'
				mm
				scale -
				sheet index
				revision
				sheet
				E
				1
				engr
				chr
				appd
				MINI K VANDANATH
				29/09/2004
				RAKHEE GEORGE
				29/09/2004
				RAKHEE GEORGE
				01/06/2006
				RAKHEE GEORGE
				01/06/2006
				FCI
				dwg no
				sheet 1 of 1
				size
				A3
				C-8609-2028
				type
				Product Customer Drawing

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