



CONTACT ARRANGEMENT

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
b																
c	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

STANDARD CONTACT
 EMPTY CAVITY
 FMLB CONTACT
 LMEB CONTACT

TECHNICAL SPECIFICATION

HOUSING MATERIAL : THERMOPLASTIC POLYESTER UL94V0; 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°C
 CONTACT & HARPOON MATERIAL : COPPER ALLOY
 CONTACT PLATING
 ACTIVE ZONE : Au OVER Ni
 TERMINATION ZONE : Sn (PURE MATT) OVER Ni
 HARPOON PLATING : Sn (PURE MATT) OVER Ni

ELECTRICAL DATA

CURRENT RATING AT 20°C : 1.5 A
 CURRENT (I MAX) : 2 A
 TEMPERATURE RANGE : -55°C TO +125°C
 CONTACT RESISTANCE : ≤ 20 mΩ
 INSULATION RESISTANCE : ≥ 10⁶ MΩ
 TEST VOLTAGE (rms) : 1000 V

MECHANICAL DATA

INSERTION FORCE PER CONTACT : ≤ 0.94 N
 EXTRACTION FORCE PER CONTACT : ≥ 0.15 N
 REFERENCE SPECIFICATION : DIN 41612 / IEC 603-2

SERIES	8609	4	16	8	3	14	7	5	8	V1LF
ROWS FITTED WITH CONTACTS										
ROW a - c		4	16							
NO. OF CONTACTS										
TYPE OF INSULATOR										
3 ROW FEMALE INSULATOR				8						
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE C/2								3		
TERMINATION										
STRAIGHT SPILL LONG, L = 4.0 ^{+0.7}									14	
STRAIGHT SPILL SHORT, L = 2.5 ⁻⁰										24
OPTIONS										
NO OPTION										7
WITH HARPOONS										H
PERFORMANCE CLASS										
DIN 41612 CLASS 3										4
DIN 41612 CLASS 2										5
DIN 41612 CLASS 1										6
AS PER MIL C 55302 / JSS 50808										8
PITCH PER ROW										
5.08 mm										8
LEAD FREE VERSION										V1LF

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	SEE TECH. SPEC.	surface	ISO 1302	tolerance	ISO 406 ISO 1101	projection	product family	8609
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title	
A	I11-0040	MJA	2011-02-23	angles	linear		DIN STANDARD RECEPTACLE STRAIGHT SPILL DIN 41612 STYLE C/2	
				0°±1°	.0±.3	scale 2:1	dwg no	
					.00±.13		sheet 1 of 1	
					.000±.05	FCJ	C-8609-2159	
				dr	M JACOB		A3	
				enr	M JACOB	type		
				chr	S ALOSIUS	Product Customer Drawing		
				appd	BIJU K PAUL			
sheet index	revision sheet	A	1					