



TECHNICAL SPECIFICATION

HOUSING MATERIAL : HIGH TEMPERATURE THERMOPLASTIC POLYESTER (LCP) UL94V-0, NATURAL
 HOUSING CAN WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION, INFRARED OR VAPOUR REFLOW SOLDER APPLICATION

CONTACT / HARPOON MATERIAL : COPPER ALLOY

CONTACT ACTIVE ZONE PLATING : AU/GXT™ OVER NICKEL

CONTACT TERMINATION ZONE/HARPOON PLATING

LEAD FREE VERSION : TIN (PURE MATTE) OVER NI

RAILWAY CLASSIFICATION : I2/F1 acc to NFF 16-101/102
 R22/R23 to HL3 acc to EN45545-2:2013

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 : ≥ 10⁸ MΩ

TEST VOLTAGE (rms) : 1000V

MECHANICAL DATA

INSERTION FORCE PER CONTACT : ≤ 0.94N

EXTRACTION FORCE PER CONTACT : > 0.15N

REFERENCE SPECIFICATION : DIN 41612 / IEC 603-2

SERIES	8609	3	48	7	3	13	B	5	5	F1LF
ROWS FITTED WITH CONTACTS										
Rows a b c	3		48							
Rows a - c	4		32							
NUMBER OF CONTACTS										
TYPE OF INSULATOR										
3 ROW MALE INSULATOR	7									
METHOD OF MOUNTING										
STANDARD MOUNTING - STYLE C/2	1									
TERMINATION										
ANGLED SPILL SHORT (L = 2.6 ^{+0.3})	13									
ANGLED SPILL LONG (L = 4.0 ^{+0.3})	23									
OPTIONS										
HIGH TEMPERATURE HOUSING (NATURAL)	B									
HIGH TEMPERATURE HOUSING (NATURAL) WITH HARPOONS	T									
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										
2.54	5									
SPECIAL CODE : F1LF	HIGH TEMPERATURE INSULATOR, LEADFREE VERSION									

NOTES:

- THE "LF" PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- LEAD FREE OR RoHS DIRECTIVE LABELING TO BE PROVIDED AS PER GS-14-920 FOR LEAD FREE VERSION.
- FOR GENERAL CHARACTERISTICS AND RoHS INFORMATION, REFER DRAWING C-8609-0000A.

mat'l. code SEE TECH. SPEC.				surface ISO 1302 ✓ ISO 406 ISO 1101		tolerance tolerances unless otherwise specified		projection mm		product family 8609			
ltr				ecn no		dr		date		title DIN STANDARD HEADER ANGLED SPILL DIN 41612 STYLE-C/2 (HIGH TEMPERATURE VERSION)			
A						MJA		2016-11-29		angles		linear	
B				ELX-I-28738		MJA		2017-12-09		0°±1°		scale 3:2	
C				ELX-I-40715		MJA		2021-04-20		Amphenol FCI		dwg no C-8609-2364	
										sheet 1 of 1		size A3	
										type Product Customer Drawing			
sheet index		revision sheet		C		1							