

PERFORMANCE CHARACTERISTICS :

CURRENT RATING : 1.5A AT 20°C (FULLY LOADED)  
1A AT 70°C (FULLY LOADED)  
RATED VOLTAGE : 500V AC (CONT / CONT)  
OPERATING TEMPERATURE : -55°C TO 125°C  
CONTACT RESISTANCE : 25mΩ MAX.  
INSERTION FORCE : 0.75 N MAX / CONT  
EXTRACTION FORCE : 0.15 N MIN / CONT  
INSULATION RESISTANCE : 10<sup>4</sup> MΩ MIN.

NOTES :

1. UL APPROVED WITH USR AND CNR.
2. MEASURED AT THE BOTTOM.
3. MATERIAL CONTACT : PHOSPHORBRONZE.  
HOUSING : LCP 30% GLASS-FILLED
4. CONNECTOR PRINTED WITH P/N AND DATE CODES.
5. FOR ACTUAL CONTACT LOADINGS, SEE LOADING  
PATTERN MATING SIDE.}
6. 4 = LEVEL 1 (5.30)  
5 = LEVEL 2 (6.80)  
6 = LEVEL 3 (8.30)
7. 'HM2J07PE5IA8' LEAD FREE INDICATOR : LF = LEAD FREE  
PERFORMANCE LEVEL INDICATOR  
(Ref DWG No BS,C ,201844,003)
8. FOR RECOMMENDED PTH DIMENSIONS REFER DRAWING : BS,A ,201572,001
9. THIS PRODUCT (LF) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY  
REGULATIONS AS DESCRIBED IN GS-47-0004

LOADING PATTERN : MATING SIDE

|   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| F | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6  | 6  | X  | X  | X  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  | 6  |
| E | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 6 | 5 | 6  | 5  | X  | X  | X  | 5  | 6  | 5  | 6  | 5  | 4  | 5  | 5  | 5  | 5  | 5  |
| D | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 6 | 5 | 6  | 5  | X  | X  | X  | 5  | 6  | 5  | 6  | 5  | 4  | 5  | 5  | 5  | 5  | 5  |
| C | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 6 | 6 | 6  | 6  | X  | X  | X  | 6  | 6  | 6  | 6  | 5  | 4  | 5  | 5  | 5  | 5  | 5  |
| B | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 5  | 5  | X  | X  | X  | 5  | 5  | 5  | 5  | 5  | 4  | 5  | 5  | 5  | 5  | 5  |
| A | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 6 | 5 | 6  | 5  | X  | X  | X  | 5  | 6  | 5  | 6  | 5  | 4  | 5  | 5  | 5  | 5  | 5  |
| Z | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | X  | X  | X  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |

|                                       |  |                                      |  |                     |  |                                                 |  |                                   |                           |                          |  |                        |  |                    |  |
|---------------------------------------|--|--------------------------------------|--|---------------------|--|-------------------------------------------------|--|-----------------------------------|---------------------------|--------------------------|--|------------------------|--|--------------------|--|
| spec ref -                            |  |                                      |  | dr P-Mathew Nebu    |  | 2011/05/25                                      |  | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size A3                  |  | scale 1/1              |  |                    |  |
| tolerance std                         |  |                                      |  | eng Alex Babu       |  | 2020/07/27                                      |  |                                   |                           | ecn no ELX-I-37774-1     |  |                        |  |                    |  |
| ISO 406<br>ISO 1101                   |  |                                      |  | chr -               |  | -                                               |  |                                   |                           |                          |  |                        |  |                    |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |  |                                      |  | appr Kuriakose, San |  | 2020/07/27                                      |  |                                   |                           | product family MILLIPACS |  |                        |  | rel level Released |  |
|                                       |  |                                      |  | Amphenol FCI        |  | title MPACS RA HDR<br>type A, shielded, general |  |                                   |                           |                          |  | dwg no BSC202767039    |  |                    |  |
| linear                                |  | 0.X ±0.2<br>0.XX ±0.1<br>0.XXX ±0.05 |  |                     |  |                                                 |  |                                   |                           |                          |  |                        |  |                    |  |
| ISO 1302                              |  | angular                              |  |                     |  | 0° ±1°                                          |  | cat. no. HM2J07PE51A8----         |                           |                          |  | Product - Customer Drw |  |                    |  |

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