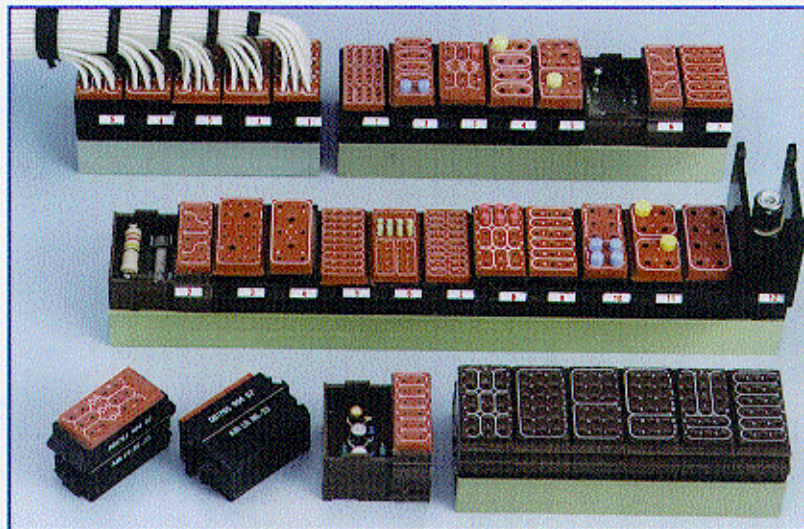
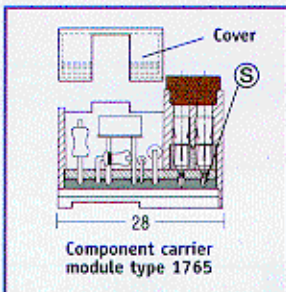
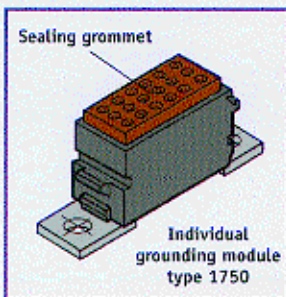




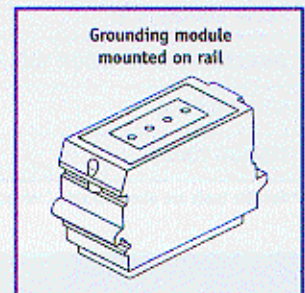
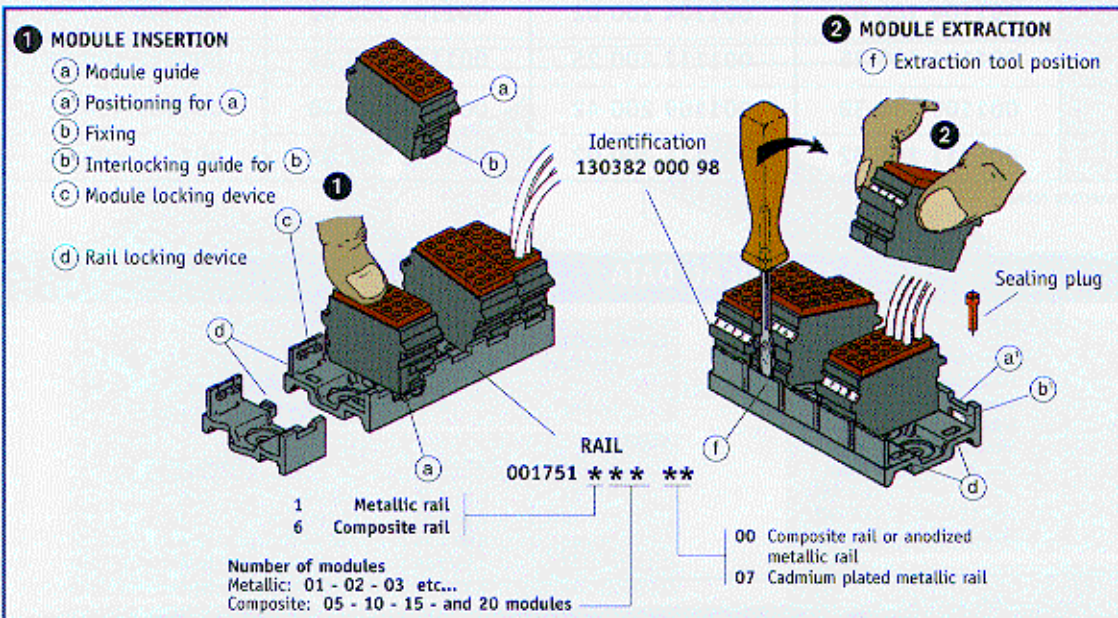
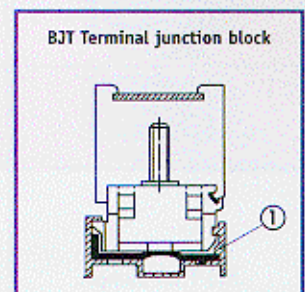
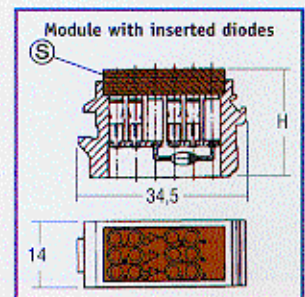
# TERMINAL JUNCTION MODULES WITH FAST AND SEALED TERMINATIONS TYPES 1750 - 1765

## SECTION 1'

- UTE/NF C93-462 STANDARD - Type HL 105
- VERY HIGH DENSITY CONTACT POINTS, wired with standardized tools.
- Crimp contacts © sizes 22 - 20 - 16 - 12 and 10, from AWG 22 to 10. UTE/NF L 53-105 - NAS 1749 - EN 3155-016 Standards
- QUICK ACTION: Modules assembled and disassembled, whether in sections or on the whole length of the rail, without special tools.
- Sealing of modules is assured by a patented overmoulded grommet.
- Points of contacts are identified alphabetically on the hermetic sealed grommet.
- Contact layouts are indicated with a white line symbolizing electrical circuits.
- Numerous interconnection schematics available in all sizes.
- METALLIC or COMPOSITE rails (with 60% weight reduction).
- AIR LB modules type 1750 are assembled on the same rail with feedback modules, heterogeneous modules with inserted diodes, component carrier module, grounding modules and terminal junction blocks (BJT).
- Mixed sizes and layouts are available.
- Each module has a reference tag holder for easier identification.



Type 1750 designed and manufactured by AIR LB was the subject of UTE/NF C 93-462 model HL 105 Standard



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**FEEDBACK MODULES** suitable for sizes 22 - 20 - 16 - 12 - 10, heterogeneous, grounding, component carrier,  
(Modules with inserted diodes and P.C.B. contacts (Printed circuit board) - Consult AIR LB)

| 36 Contacts - Size 22<br>16,6 g. - H 19,5<br>(34,5 x 14) | 18 Contacts - Size 20<br>8,5 g. - H 19<br>(34,5 x 14) | 10 Contacts - Size 16<br>18 g. - H 24,5<br>(34,5 x 14)                                    | 8 Contacts - Size 12<br>19 g. - H 24,5<br>(34,5 x 14)                       | Grounding module  |
|--|---|---|---|---|
| 001755 101 02  | 001755 201 02   | 001755 301 02   | 001755 401 02   | 24 g.<br>H 21,8<br>36 size 22<br>001758 101 02                            |
| 001755 102 02  | 001755 202 02   | 001755 302 02   | 001755 402 02   | 28 g.<br>H 24,8<br>18 size 20 - without marking<br>001758 201 02          |
| 001755 103 02  | 001755 203 02   | 001755 303 02   | 001755 403 02   | 28 g.<br>H 24,8<br>18 size 20<br>001758 202 02                            |
| 001755 104 02  | 001755 204 02   | 001755 304 02   | <b>Heterogeneous modules</b>  | 26 g.<br>H 24,8<br>18 size 20<br>001758 212 02                            |
| 001755 105 02  | 001755 205 02   | 001755 305 02   |   | 25 g.<br>H 26,8<br>10 size 16<br>001758 301 02                            |
| 001755 106 02  | 001755 206 02   | 001755 306 02   | 18 g.<br>H 24,5<br>1 x (1 size 12 + 7 size 20)<br>001755 502 02             | 26 g.<br>H 26,8<br>8 size 12<br>001758 401 02                             |
| 001755 107 02  | 001755 207 02   | 001755 307 02   | 17 g.<br>H 24,5<br>1 x (2 size 12 + 14 size 20)<br>001755 503 02            | 34 g.<br>H 26,8<br>1 x (2 size 12 + 14 size 20)<br>001758 501 02          |
| 001755 211 02  | 001755 208 02   | <b>Component carrier modules</b><br>type 1765 (34,5 x 28) several<br>schematics available | 19 g.<br>H 24,5<br>1 x (2 size 12 + 2 size 16)<br>001755 504 02             | <b>Grounding module on rail</b><br>18 Contact - Size 20<br>17,8 g. - H 19 |
| 001755 212 02  | 001755 209 02   |   | 19 g.<br>H 26,2<br>1 x (1 size 10 - 3 size 16 + 8 size 20)<br>001755 505 02 |   |

|                               | SIZE 22       | SIZE 20       | SIZE 16       | SIZE 12       |
|-------------------------------|---------------|---------------|---------------|---------------|
| CRIMP CONTACTS                | 001104 100 02 | 001104 200 02 | 001104 300 02 | 001104 400 02 |
| INSERTION / EXTRACTION TOOLS* | 001104 100 25 | 001112 200 25 | 001112 300 25 | 001112 400 25 |
| SEALING PLUG                  | 001109 100 38 | 001109 200 42 | 001109 300 40 | 001109 400 41 |
| TESTING TOOL                  | 001111 100 02 | 001111 200 02 | 001111 300 02 | 001111 400 02 |

\*Metallic tools are also available (contact connection colours)

## TECHNICAL DATA

### MECHANICAL

|                   |            |   |                       |
|-------------------|------------|---|-----------------------|
| Module            | Material   | : | Thermoplastic         |
| Grommet           | Material   | : | Fluorinated Elastomer |
| Contact           | Material   | : | Copper alloy          |
|                   | Protection | : | Gold on nickel        |
| Contact retention |            | : | Size 22 : 5,4 daN     |
|                   |            | : | Size 20 : 8,9 daN     |
|                   |            | : | Size 16 : 11,4 daN    |
|                   |            | : | Size 12 : 13,6 daN    |
|                   |            | : | Size 10 : 13,6 daN    |

### CLIMATIC

|                       |   |              |
|-----------------------|---|--------------|
| Operating temperature | : | -55°C +175°C |
|-----------------------|---|--------------|

### FLUID RESISTANCE

|            |   |   |
|------------|---|---|
| Resistance | : | In conformity with NF C 93-462 - MIL-H-5606 - MIL-L-7808 following MIL-C-26482 C, NAS 1748. |
| Sealing    | : | IP 66 with suitable wire ø.   |

### ELECTRICAL

| Size | Section mm <sup>2</sup> | AWG         | Current rating |
|------|-------------------------|-------------|----------------|
| 22   | 0,15-0,38               | 22-24-26    | 5 A            |
| 20   | 0,21-0,93               | 18-20-22-24 | 7,5 A          |
| 16   | 0,60-1,34               | 16-18-20    | 13 A           |
| 12   | 1,91-3,18               | 12-14       | 23 A           |
| 10   | 5,15-8,98               | 8-10        | 50 A           |

**DIELECTRIC WITHSTANDING VOLTAGE** : 2 000 Vrms