

| Address | Symbol | Function  |          |
|---------|--------|---|----------|
| R1300.0 | SI0_0  | Always ON   | 始终打开     |
| R1300.1 | SI0_1  | Always OFF  | 始终关闭     |
| R1300.2 | SI0_2  | ON in a single scanning cycle at the start of operation |          |
| R1300.3 | SI0_3  | 1.0--Second clock pulse                                 | 1秒时钟脉冲   |
| R1300.4 | SI0_4  | 0.1--Second clock pulse                                 | 0.1秒时钟脉冲 |
| R1300.5 | SI0_5  | 0.5--Second clock pulse                                 | 0.5秒时钟脉冲 |
| R1300.6 | SI0_6  | Not used  | 备用       |
| R1300.7 | SI0_7  | Not used  | 备用       |
| R1301.0 | SI1_0  | Not used  | 备用       |
| R1301.1 | SI1_1  | Not used  | 备用       |
| R1301.2 | SI1_2  | Not used  | 备用       |
| R1301.3 | SI1_3  | Not used  | 备用       |
| R1301.4 | SI1_4  | Not used  | 备用       |
| R1301.5 | SI1_5  | Not used  | 备用       |
| R1301.6 | SI1_6  | Not used  | 备用       |
| R1301.7 | SI1_7  | Not used  | 备用       |
| R1302.0 | SI2_0  | Selected program NO. 2 <sup>0</sup>                     | 程序号选择    |
| R1302.1 | SI2_1  | Selected program NO. 2 <sup>1</sup>                     | 程序号选择    |
| R1302.2 | SI2_2  | Selected program NO. 2 <sup>2</sup>                     | 程序号选择    |
| R1302.3 | SI2_3  | Selected program NO. 2 <sup>3</sup>                     | 程序号选择    |
| R1302.4 | SI2_4  | Selected program NO. 2 <sup>4</sup>                     | 程序号选择    |
| R1302.5 | SI2_5  | Selected program NO. 2 <sup>5</sup>                     | 程序号选择    |
| R1302.6 | SI2_6  | Selected program NO. 2 <sup>6</sup>                     | 程序号选择    |
| R1302.7 | SI2_7  | Selected program NO. 2 <sup>7</sup>                     | 程序号选择    |
| R1303.0 | SI3_0  | Selected program NO. 2 <sup>8</sup>                     | 程序号选择    |
| R1303.1 | SI3_1  | Selected program NO. 2 <sup>9</sup>                     | 程序号选择    |
| R1303.2 | SI3_2  | Selected program NO. 2 <sup>10</sup>                    | 程序号选择    |
| R1303.3 | SI3_3  | Selected program NO. 2 <sup>11</sup>                    | 程序号选择    |
| R1303.4 | SI3_4  | Selected program NO. 2 <sup>12</sup>                    | 程序号选择    |
| R1303.5 | SI3_5  | Selected program NO. 2 <sup>13</sup>                    | 程序号选择    |
| R1303.6 | SI3_6  | Selected program NO. 2 <sup>14</sup>                    | 程序号选择    |
| R1303.7 | SI3_7  | Selected program NO. 2 <sup>15</sup>                    | 程序号选择    |
| R1304.0 | SI4_0  | Tool NO. 2 <sup>0</sup>                                 | 刀具号      |
| R1304.1 | SI4_1  | Tool NO. 2 <sup>1</sup>                                 | 刀具号      |
| R1304.2 | SI4_2  | Tool NO. 2 <sup>2</sup>                                 | 刀具号      |
| R1304.3 | SI4_3  | Tool NO. 2 <sup>3</sup>                                 | 刀具号      |
| R1304.4 | SI4_4  | Tool NO. 2 <sup>4</sup>                                 | 刀具号      |
| R1304.5 | SI4_5  | Tool NO. 2 <sup>5</sup>                                 | 刀具号      |
| R1304.6 | SI4_6  | Tool NO. 2 <sup>6</sup>                                 | 刀具号      |
| R1304.7 | SI4_7  | Tool NO. 2 <sup>7</sup>                                 | 刀具号      |

|         |       |   |          |
|---------|-------|---|----------|
| R1305.0 | SI5_0 | /Mcode BCD $2^{-0} \times 1$              |          |
| R1305.1 | SI5_1 | M80 output/Mcode bcd<br>$2^{2} \times 1$  |          |
| R1305.2 | SI5_2 | M81 output/Mcode bcd<br>$2^{2} \times 1$  |          |
| R1305.3 | SI5_3 | M82 output/Mcode bcd<br>$2^{3} \times 1$  |          |
| R1305.4 | SI5_4 | M83 output/Mcode bcd<br>$2^{0} \times 10$ |          |
| R1305.5 | SI5_5 | M84 output/Mcode bcd<br>$2^{1} \times 10$ |          |
| R1305.6 | SI5_6 | M85 output/Mcode bcd<br>$2^{2} \times 10$ |          |
| R1305.7 | SI5_7 | M86 output/Mcode bcd<br>$2^{3} \times 10$ |          |
| R1306.0 | SI6_0 | M87 output/data read<br>request           |          |
| R1306.1 | SI6_1 | M88 output/distribution<br>completion     |          |
| R1306.2 | SI6_2 | M89 output/BCD data<br>parity check       |          |
| R1306.3 | SI6_3 |   |          |
| R1306.4 | SI6_4 | /M code BCD $2^{0} \times 100$            |          |
| R1306.5 | SI6_5 | /M code BCD $2^{1} \times 100$            |          |
| R1306.6 | SI6_6 | /M code BCD $2^{2} \times 100$            |          |
| R1306.7 | SI6_7 | /M code BCD $2^{3} \times 100$            |          |
| R1307.0 | SI7_0 | Machine status output<br>1 (END1 output)  | 机床状态输出1  |
| R1307.1 | SI7_1 | Machine status output<br>1 (END2 output)  | 机床状态输出2  |
| R1307.2 | SI7_2 | Machine status output<br>1 (END3 output)  | 机床状态输出3  |
| R1307.3 | SI7_3 | Cycle start (in progress)                 | 循环启动位    |
| R1307.4 | SI7_4 | Condition of feed hold                    | 进给暂停位    |
| R1307.5 | SI7_5 | Condition of alarm                        | 报警输出位    |
| R1307.6 | SI7_6 | Condition of reset                        | 复位       |
| R1307.7 | SI7_7 | Condition of memergency<br>stop           | 急停位      |
| R1308.0 | SI8_0 | MEM mode selection                        | 自动运转模式选择 |
| R1308.1 | SI8_1 | MDI mode selection                        | 手动指令选择   |
| R1308.2 | SI8_2 | Handle mode selection                     | 手动模式选择   |
| R1308.3 | SI8_3 | JOG mode selection                        | 寸动模式选择   |
| R1308.4 | SI8_4 | Reference mode selection                  | 参考点返回模式  |

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|---------|--------|-------------------------------------|-----------|
| R1308.5 | SI8_5  | Edit mode selection                 | 编辑模式选择    |
| R1308.6 | SI8_6  | Program stoppage                    | 程序停止      |
| R1308.7 | SI8_7  | Production completion               | 生产排配      |
| R1309.0 | SI9_0  | END of selection                    | 选择结束      |
| R1309.1 | SI9_1  | (Reserved)                          | 保留        |
| R1309.2 | SI9_2  | Battery alarm                       | 电池报警      |
| R1309.3 | SI9_3  | End of program                      | 程序结束      |
| R1309.4 | SI9_4  | Machine interior coolant output ON  | 机床内部冷却液输出 |
| R1309.5 | SI9_5  | Splash guard door closed state      | 挡板门关闭状态   |
| R1309.6 | SI9_6  | Automatic side door closed state    | 自动侧门关闭状态  |
| R1309.7 | SI9_7  | Automatic side door open state      | 自动侧门开启状态  |
| R1310.0 | SI10_0 | Door open (M60)                     | 门打开 (M60) |
| R1310.1 | SI10_1 | Automatic door closed state         | 自动门关闭状态   |
| R1310.2 | SI10_2 | Automatic door open state           | 自动门开启状态   |
| R1310.3 | SI10_3 | Warning level detection             | 水平检查警告    |
| R1310.4 | SI10_4 | Breakage level detection            | 刀具破损警告    |
| R1310.5 | SI10_5 | Spindle stop                        | 主轴停止      |
| R1310.6 | SI10_6 | Aution mode                         |           |
| R1310.7 | SI10_7 | Tool life end (toolgroup)           | 刀具寿命结束    |
| R1311.0 | SI11_0 | Coolant output ON                   | 冷却液输出打开   |
| R1311.1 | SI11_1 | Automatic door open request output  | 自动门开启请求   |
| R1311.2 | SI11_2 | Automatic door close request output | 自动门关闭请求   |
| R1311.3 | SI11_3 | Air blow output                     | 吹气输出      |
| R1311.4 | SI11_4 | Production complection 1            | 生产排配1     |
| R1311.5 | SI11_5 | Production complection 2            | 生产排配2     |
| R1311.6 | SI11_6 | Advance notice of tool life         | 刀具寿命预告    |
| R1311.7 | SI11_7 | Center through coolant output ON    | 中心贯穿冷却液开  |
| R1312.0 | SI12_0 | Display in Japanese                 |           |
| R1312.1 | SI12_1 | Display in German                   |           |
| R1312.2 | SI12_2 | Display in French                   |           |
| R1312.3 | SI12_3 | Display in Chinese                  |           |
| R1312.4 | SI12_4 | Display in Italian                  |           |
| R1312.5 | SI12_5 | Display in Korean                   |           |

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|---------|--------|---|----------|
| R1312.6 | SI12_6 | Display in Spanish                                |          |
| R1312.7 | SI12_7 | Display in English                                |          |
| R1313.0 | SI13_0 | Position switch 1                                 | 坐标开关1    |
| R1313.1 | SI13_1 | Position switch 2                                 | 坐标开关2    |
| R1313.2 | SI13_2 | Position switch 3                                 | 坐标开关3    |
| R1313.3 | SI13_3 | Position switch 4                                 | 坐标开关4    |
| R1313.4 | SI13_4 | Position switch 5                                 | 坐标开关5    |
| R1313.5 | SI13_5 | Position switch 6                                 | 坐标开关6    |
| R1313.6 | SI13_6 | Position switch 7                                 | 坐标开关7    |
| R1313.7 | SI13_7 | Position switch 8                                 | 坐标开关8    |
| R1314.0 | SI14_0 | Movement along the X-axis                         | X轴移动     |
| R1314.1 | SI14_1 | Movement along the Y-axis                         | Y轴移动     |
| R1314.2 | SI14_2 | Movement along the Z-axis                         | Z轴移动     |
| R1314.3 | SI14_3 | Movement along the 4-th axis                      | 4轴移动     |
| R1314.4 | SI14_4 | (Reserved)  |          |
| R1314.5 | SI14_5 | Low air pressure                                  | 气压低      |
| R1314.6 | SI14_6 |   |          |
| R1314.7 | SI14_7 | Emergency stop button                             | 紧急停止     |
| R1315.0 | SI15_0 | Completion of X-axis reference position return    | X轴原点返回结束 |
| R1315.1 | SI15_1 | Completion of Y-axis reference position return    | Y轴原点返回结束 |
| R1315.2 | SI15_2 | Completion of Z-axis reference position return    | Z轴原点返回结束 |
| R1315.3 | SI15_3 | Completion of 4-th axis reference position return | 4轴原点返回结束 |
| R1315.4 | SI15_4 | (Reserved)  | 保留       |
| R1315.5 | SI15_5 | Completion of machining                           | 加工完成     |
| R1315.6 | SI15_6 | Feedrate override 100%                            | 进给率100%  |
| R1315.7 | SI15_7 | Spindle speed override 100%                       | 主轴进给100% |
| R1316.0 | SI16_0 | (Reserved)  | 保留       |
| R1316.1 | SI16_1 | (Reserved)  | 保留       |
| R1316.2 | SI16_2 | (Reserved)  | 保留       |
| R1316.3 | SI16_3 | (Reserved)  | 保留       |
| R1316.4 | SI16_4 | (Reserved)  | 保留       |
| R1316.5 | SI16_5 | (Reserved)  | 保留       |
| R1316.6 | SI16_6 | (Reserved)  | 保留       |
| R1316.7 | SI16_7 | (Reserved)  | 保留       |

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| R1317.0 | SI17_0 | Door open (M61)   | 门打开 (M61)     |
| R1317.1 | SI17_1 | Door open (M62)   | 门打开 (M62)     |
| R1317.2 | SI17_2 | Door open (M63)   | 门打开 (M63)     |
| R1317.3 | SI17_3 | Door open (M64)   | 门打开 (M64)     |
| R1317.4 | SI17_4 | Door open (M65)   | 门打开 (M65)     |
| R1317.5 | SI17_5 | Alarm output 2  | 报警输出2         |
| R1317.6 | SI17_6 | Operation-enabled state   | 操作激活状态        |
| R1317.7 | SI17_7 | (Not used)  | 未使用           |
|         |        |   |               |
| R1318.0 | SI18_0 | Establishment of X-axis reference position  | X 轴原点确立       |
| R1318.1 | SI18_1 | Establishment of Y-axis reference position  | Y 轴原点确立       |
| R1318.2 | SI18_2 | Establishment of Z-axis reference position  | Z 轴原点确立       |
| R1318.3 | SI18_3 | Establishment of 4th-axis reference position  | 4TH 轴原点确立     |
| R1318.4 | SI18_4 | (Reserved)  |               |
| R1318.5 | SI18_5 | Tool group reset request reception  |               |
| R1318.6 | SI18_6 | Tool group reset error  | 刀具组复位错误       |
| R1318.7 | SI18_7 |   |               |
|         |        |   |               |
| R1319.0 | SI19_0 | Completion of X-axis reference position return (When ZPX is ON at the completion of G27 or G28) | X 轴原始位置返回完成   |
| R1319.1 | SI19_1 | Completion of Y-axis reference position return (When ZPY is ON at the completion of G27 or G28) | Y 轴原始位置返回完成   |
| R1319.2 | SI19_2 | Completion of Z-axis reference position return (When ZPZ is ON at the completion of G27 or G28) | Z 轴原始位置返回完成   |
| R1319.3 | SI19_3 | Completion of X-axis reference position return (When ZP4 is ON at the completion of G27 or G28) | 4TH 轴原始位置返回完成 |
| R1319.4 | SI19_4 | (Reserved)  |               |
| R1319.5 | SI19_5 |   |               |
| R1319.6 | SI19_6 |   |               |
| R1319.7 | SI19_7 |   |               |
|         |        |   |               |
| R1320.0 | SI20_0 | S command 2 <sup>0</sup>  |               |
| R1320.1 | SI20_1 | S command 2 <sup>1</sup>  |               |
| R1320.2 | SI20_2 | S command 2 <sup>2</sup>  |               |
| R1320.3 | SI20_3 | S command 2 <sup>3</sup>  |               |
| R1320.4 | SI20_4 | S command 2 <sup>4</sup>  |               |
| R1320.5 | SI20_5 | S command 2 <sup>5</sup>  |               |

|         |        |   |  |
|---------|--------|---|--|
| R1320.6 | SI20_6 | S command 2 <sup>6</sup>                  |  |
| R1320.7 | SI20_7 | S command 2 <sup>7</sup>                  |  |
| R1321.0 | SI21_0 | S command 2 <sup>8</sup>                  |  |
| R1321.1 | SI21_1 | S command 2 <sup>9</sup>                  |  |
| R1321.2 | SI21_2 | S command 2 <sup>10</sup>                 |  |
| R1321.3 | SI21_3 | S command 2 <sup>11</sup>                 |  |
| R1321.4 | SI21_4 | S command 2 <sup>12</sup>                 |  |
| R1321.5 | SI21_5 | S command 2 <sup>13</sup>                 |  |
| R1321.6 | SI21_6 | S command 2 <sup>14</sup>                 |  |
| R1321.7 | SI21_7 | S command 2 <sup>15</sup>                 |  |
| R1322.0 | SI22_0 | S command 2 <sup>16</sup>                 |  |
| R1322.1 | SI22_1 | S command 2 <sup>17</sup>                 |  |
| R1322.2 | SI22_2 | S command 2 <sup>18</sup>                 |  |
| R1322.3 | SI22_3 | S command 2 <sup>19</sup>                 |  |
| R1322.4 | SI22_4 | S command 2 <sup>20</sup>                 |  |
| R1322.5 | SI22_5 | S command 2 <sup>21</sup>                 |  |
| R1322.6 | SI22_6 | S command 2 <sup>22</sup>                 |  |
| R1322.7 | SI22_7 | S command 2 <sup>23</sup>                 |  |
| R1323.0 | SI23_0 | S command 2 <sup>24</sup>                 |  |
| R1323.1 | SI23_1 | S command 2 <sup>25</sup>                 |  |
| R1323.2 | SI23_2 | S command 2 <sup>26</sup>                 |  |
| R1323.3 | SI23_3 | S command 2 <sup>27</sup>                 |  |
| R1323.4 | SI23_4 | S command 2 <sup>28</sup>                 |  |
| R1323.5 | SI23_5 | S command 2 <sup>29</sup>                 |  |
| R1323.6 | SI23_6 | S command 2 <sup>30</sup>                 |  |
| R1323.7 | SI23_7 | S command 2 <sup>31</sup>                 |  |
| R1324.0 | SI24_0 | M03 command                               |  |
| R1324.1 | SI24_1 | M05 command                               |  |
| R1324.2 | SI24_2 | Spindle rotation button ON                | 主轴旋转按钮开  |
| R1324.3 | SI24_3 | Center through coolant pump on            | 中心贯穿冷却液泵开  |
| R1324.4 | SI24_4 | Center through coolant on                 | 中心贯穿冷却液开   |
| R1324.5 | SI24_5 | Air purge on                              |  |
| R1324.6 | SI24_6 | Automatic fire extinguishing device error | ON when the automatic fire extinguishing device is faulty or the power is off (Option) |

|         |        |  |   |
|---------|--------|--|---|
| R1324.7 | SI24_7 | Start of automatic fire extinguishing device | ON when the automatic fire extinguishing device starts (Option) |
| R1325.0 | SI25_0 | input sing for custom macro(#1100)           |   |
| R1325.1 | SI25_1 | input sing for custom macro(#1101)           |   |
| R1325.2 | SI25_2 | input sing for custom macro(#1102)           |   |
| R1325.3 | SI25_3 | input sing for custom macro(#1103)           |   |
| R1325.4 | SI25_4 | input sing for custom macro(#1104)           |   |
| R1325.5 | SI25_5 | input sing for custom macro(#1105)           |   |
| R1325.6 | SI25_6 | input sing for custom macro(#1106)           |   |
| R1325.7 | SI25_7 | input sing for custom macro(#1107)           |   |
| R1326.0 | SI26_0 | input sing for custom macro(#1108)           |   |
| R1326.1 | SI26_1 | input sing for custom macro(#1109)           |   |
| R1326.2 | SI26_2 | input sing for custom macro(#1110)           |   |
| R1326.3 | SI26_3 | input sing for custom macro(#1111)           |   |
| R1326.4 | SI26_4 | input sing for custom macro(#1112)           |   |
| R1326.5 | SI26_5 | input sing for custom macro(#1113)           |   |
| R1326.6 | SI26_6 | input sing for custom macro(#1114)           |   |
| R1326.7 | SI26_7 | input sing for custom macro(#1115)           |   |
| R1327.0 | SI27_0 | input sing for custom macro(#1133)           |   |
| R1327.1 | SI27_1 | input sing for custom macro(#1133)           |   |
| R1327.2 | SI27_2 | input sing for custom macro(#1133)           |   |

|         |        |                                       |
|---------|--------|---------------------------------------|
| R1327.3 | SI27_3 | input sing for custom<br>macro(#1133) |
| R1327.4 | SI27_4 | input sing for custom<br>macro(#1133) |
| R1327.5 | SI27_5 | input sing for custom<br>macro(#1133) |
| R1327.6 | SI27_6 | input sing for custom<br>macro(#1133) |
| R1327.7 | SI27_7 | input sing for custom<br>macro(#1133) |
|         |        |                                       |
| R1328.0 | SI28_0 | input sing for custom<br>macro(#1133) |
| R1328.1 | SI28_1 | input sing for custom<br>macro(#1133) |
| R1328.2 | SI28_2 | input sing for custom<br>macro(#1133) |
| R1328.3 | SI28_3 | input sing for custom<br>macro(#1133) |
| R1328.4 | SI28_4 | input sing for custom<br>macro(#1133) |
| R1328.5 | SI28_5 | input sing for custom<br>macro(#1133) |
| R1328.6 | SI28_6 | input sing for custom<br>macro(#1133) |
| R1328.7 | SI28_7 | input sing for custom<br>macro(#1133) |
|         |        |                                       |
| R1329.0 | SI29_0 | input sing for custom<br>macro(#1133) |
| R1329.1 | SI29_1 | input sing for custom<br>macro(#1133) |
| R1329.2 | SI29_2 | input sing for custom<br>macro(#1133) |
| R1329.3 | SI29_3 | input sing for custom<br>macro(#1133) |
| R1329.4 | SI29_4 | input sing for custom<br>macro(#1133) |
| R1329.5 | SI29_5 | input sing for custom<br>macro(#1133) |
| R1329.6 | SI29_6 | input sing for custom<br>macro(#1133) |
| R1329.7 | SI29_7 | input sing for custom<br>macro(#1133) |
|         |        |                                       |
| R1330.0 | SI30_0 | input sing for custom<br>macro(#1133) |



|         |        |  |          |
|---------|--------|--|----------|
| R1330.1 | SI30_1 | input sing for custom macro(#1133)     |          |
| R1330.2 | SI30_2 | input sing for custom macro(#1133)     |          |
| R1330.3 | SI30_3 | input sing for custom macro(#1133)     |          |
| R1330.4 | SI30_4 | input sing for custom macro(#1133)     |          |
| R1330.5 | SI30_5 | input sing for custom macro(#1133)     |          |
| R1330.6 | SI30_6 | input sing for custom macro(#1133)     |          |
| R1330.7 | SI30_7 | input sing for custom macro(#1133)     |          |
| R1331.0 | SI31_0 | (Reserved)                             |          |
| R1331.1 | SI31_1 | (Reserved)                             |          |
| R1331.2 | SI31_2 | (Reserved)                             |          |
| R1331.3 | SI31_3 | Clamp request(4th axis)                | 4TH 夹紧请求 |
| R1331.4 | SI31_4 | Unclamp request(4th axis)              | 5th 松开请求 |
| R1331.5 | SI31_5 | Clamp (4th axis)                       |          |
| R1331.6 | SI31_6 |  |          |
| R1331.7 | SI31_7 |  |          |
| R1332.0 | SI32_0 | Selected tool group No. 2 <sup>0</sup> | 选择刀具组    |
| R1332.1 | SI32_1 | Selected tool group No. 2 <sup>1</sup> | 选择刀具组    |
| R1332.2 | SI32_2 | Selected tool group No. 2 <sup>2</sup> | 选择刀具组    |
| R1332.3 | SI32_3 | Selected tool group No. 2 <sup>3</sup> | 选择刀具组    |
| R1332.4 | SI32_4 | Selected tool group No. 2 <sup>4</sup> | 选择刀具组    |
| R1332.5 | SI32_5 | Selected tool group No. 2 <sup>5</sup> | 选择刀具组    |
| R1332.6 | SI32_6 | Selected tool group No. 2 <sup>6</sup> | 选择刀具组    |
| R1332.7 | SI32_7 | Selected tool group No. 2 <sup>7</sup> |          |
| R1333.0 | SI33_0 | Tool life of group 1                   | 刀具寿命组    |
| R1333.1 | SI33_1 | Tool life of group 2                   | 刀具寿命组    |
| R1333.2 | SI33_2 | Tool life of group 3                   | 刀具寿命组    |
| R1333.3 | SI33_3 | Tool life of group 4                   | 刀具寿命组    |
| R1333.4 | SI33_4 | Tool life of group 5                   | 刀具寿命组    |
| R1333.5 | SI33_5 | Tool life of group 6                   | 刀具寿命组    |

|         |        |                                      |           |
|---------|--------|--------------------------------------|-----------|
| R1333.6 | SI33_6 | Tool life of group 7                 | 刀具寿命组     |
| R1333.7 | SI33_7 | Tool life of group 8                 | 刀具寿命组     |
| R1334.0 | SI34_0 | Tool life of group 9                 | 刀具寿命组     |
| R1334.1 | SI34_1 | Tool life of group 10                | 刀具寿命组     |
| R1334.2 | SI34_2 | Tool life of group 11                | 刀具寿命组     |
| R1334.3 | SI34_3 | Tool life of group 12                | 刀具寿命组     |
| R1334.4 | SI34_4 | Tool life of group 13                | 刀具寿命组     |
| R1334.5 | SI34_5 | Tool life of group 14                | 刀具寿命组     |
| R1334.6 | SI34_6 | Tool life of group 15                | 刀具寿命组     |
| R1334.7 | SI34_7 | Tool life of group 16                | 刀具寿命组     |
| R1335.0 | SI35_0 | Advance notice of tool life group 1  | 刀具寿命组1预警  |
| R1335.1 | SI35_1 | Advance notice of tool life group 2  | 刀具寿命组2预警  |
| R1335.2 | SI35_2 | Advance notice of tool life group 3  | 刀具寿命组3预警  |
| R1335.3 | SI35_3 | Advance notice of tool life group 4  | 刀具寿命组4预警  |
| R1335.4 | SI35_4 | Advance notice of tool life group 5  | 刀具寿命组5预警  |
| R1335.5 | SI35_5 | Advance notice of tool life group 6  | 刀具寿命组6预警  |
| R1335.6 | SI35_6 | Advance notice of tool life group 7  | 刀具寿命组7预警  |
| R1335.7 | SI35_7 | Advance notice of tool life group 8  | 刀具寿命组8预警  |
| R1336.0 | SI36_0 | Advance notice of tool life group 9  | 刀具寿命组9预警  |
| R1336.1 | SI36_1 | Advance notice of tool life group 10 | 刀具寿命组10预警 |
| R1336.2 | SI36_2 | Advance notice of tool life group 11 | 刀具寿命组11预警 |
| R1336.3 | SI36_3 | Advance notice of tool life group 12 | 刀具寿命组12预警 |
| R1336.4 | SI36_4 | Advance notice of tool life group 13 | 刀具寿命组13预警 |
| R1336.5 | SI36_5 | Advance notice of tool life group 14 | 刀具寿命组14预警 |
| R1336.6 | SI36_6 | Advance notice of tool life group 15 | 刀具寿命组15预警 |
| R1336.7 | SI36_7 | Advance notice of tool life group 16 | 刀具寿命组16预警 |
| R1337.0 | SI37_0 | (Reserved)                           |           |

|         |        |                       |        |
|---------|--------|-----------------------|--------|
| R1337.1 | SI37_1 | Display in Portuguese | 显示葡萄牙语 |
| R1337.2 | SI37_2 | (Reserved)            |        |
| R1337.3 | SI37_3 | (Reserved)            |        |
| R1337.4 | SI37_4 | (Reserved)            |        |
| R1337.5 | SI37_5 | (Reserved)            |        |
| R1337.6 | SI37_6 | (Reserved)            |        |
| R1337.7 | SI37_7 | (Reserved)            |        |

|         |        |  |  |
|---------|--------|--|--|
| R1338.0 | SI38_0 |  |  |
| R1338.1 | SI38_1 |  |  |
| R1338.2 | SI38_2 |  |  |
| R1338.3 | SI38_3 |  |  |
| R1338.4 | SI38_4 |  |  |
| R1338.5 | SI38_5 |  |  |
| R1338.6 | SI38_6 |  |  |
| R1338.7 | SI38_7 |  |  |

|         |        |  |  |
|---------|--------|--|--|
| R1339.0 | SI39_0 |  |  |
| R1339.1 | SI39_1 |  |  |
| R1339.2 | SI39_2 |  |  |
| R1339.3 | SI39_3 |  |  |
| R1339.4 | SI39_4 |  |  |
| R1339.5 | SI39_5 |  |  |
| R1339.6 | SI39_6 |  |  |
| R1339.7 | SI39_7 |  |  |

|         |       |   |  |
|---------|-------|---|--|
| R1350.0 | S00_0 | Workpiece NO. /program<br>NO. search $2^0 * 1$  |  |
| R1350.1 | S00_1 | Workpiece NO. /program<br>NO. search $2^1 * 1$  |  |
| R1350.2 | S00_2 | Workpiece NO. /program<br>NO. search $2^2 * 1$  |  |
| R1350.3 | S00_3 | Workpiece NO. /program<br>NO. search $2^3 * 1$  |  |
| R1350.4 | S00_4 | Workpiece NO. /program<br>NO. search $2^0 * 10$ |  |
| R1350.5 | S00_5 | Workpiece NO. /program<br>NO. search $2^1 * 10$ |  |
| R1350.6 | S00_6 | Workpiece NO. /program<br>NO. search $2^2 * 10$ |  |
| R1350.7 | S00_7 | Workpiece NO. /program<br>NO. search $2^3 * 10$ |  |

|         |       |  |  |
|---------|-------|--|--|
| R1351.0 | S01_0 | Workpiece NO. /program<br>NO. search $2^0 * 100$ |  |
| R1351.1 | S01_1 | Workpiece NO. /program<br>NO. search $2^1 * 100$ |  |

|         |       |   |          |
|---------|-------|---|----------|
| R1351.2 | S01_2 | Workpiece NO. /program<br>NO. search $2^2 * 100$  |          |
| R1351.3 | S01_3 | Workpiece NO. /program<br>NO. search $2^3 * 100$  |          |
| R1351.4 | S01_4 | Workpiece NO. /program<br>NO. search $2^0 * 1000$ |          |
| R1351.5 | S01_5 | Workpiece NO. /program<br>NO. search $2^1 * 1000$ |          |
| R1351.6 | S01_6 | Workpiece NO. /program<br>NO. search $2^2 * 1000$ |          |
| R1351.7 | S01_7 | Workpiece NO. /program<br>NO. search $2^3 * 1000$ |          |
| R1352.0 | S02_0 | Data read request                                 | 读数据请求    |
| R1352.1 | S02_1 | External start                                    | 外部启动     |
| R1352.2 | S02_2 | External hold                                     | 外部暂停     |
| R1352.3 | S02_3 | External reset                                    | 外部复位     |
| R1352.4 | S02_4 | External emergency stop                           | 外部急停     |
| R1352.5 | S02_5 | Completion (FIN)                                  | M代码输出完成  |
| R1352.6 | S02_6 | Singb lock mode ON                                |          |
| R1352.7 | S02_7 | Dry run mode ON                                   | 空运转模式    |
| R1353.0 | S03_0 | Door closere quest                                | 门关闭请求    |
| R1353.1 | S03_1 | External door open contrl                         | 外部门打开控制  |
| R1353.2 | S03_2 | External door close<br>contrl                     | 外部门关闭控制  |
| R1353.3 | S03_3 | DNC operation                                     | DNC运转    |
| R1353.4 | S03_4 | Custom macro interrupt                            | 中断定制宏程序  |
| R1353.5 | S03_5 | Rest&rewind                                       | 程序返回     |
| R1353.6 | S03_6 | Automatic side door open<br>request               | 自动边门打开请求 |
| R1353.7 | S03_7 | Automatic side door close<br>request              | 自动边门关闭请求 |
| R1354.0 | S04_0 | Disabling of machine<br>operator `s               | 禁用机床操作面板 |
| R1354.1 | S04_1 | X-axis interlock                                  | X 轴锁定    |
| R1354.2 | S04_2 | Y-axis interlock                                  | Y 轴锁定    |
| R1354.3 | S04_3 | Z-axis interlock                                  | Z 轴锁定    |
| R1354.4 | S04_4 | 4th-axis interlock                                | 4TH 轴锁定  |
| R1354.5 | S04_5 | 5th-axis interlock                                | 5th 轴锁定  |
| R1354.6 | S04_6 | Door interlock                                    | 门锁定      |
| R1354.7 | S04_7 | (Reserved)  |          |
| R1355.0 | S05_0 | Alarm message display<br>inprogress               | 报警信息显示中  |

|         |       |   |                       |
|---------|-------|---|-----------------------|
| R1355.1 | S05_1 | Operator message display<br>inprogress          | 操作信息显示中               |
| R1355.2 | S05_2 | Machining satus output1<br>request              | 机床状态1输出请<br>求         |
| R1355.3 | S05_3 | Machining satus output2<br>request              | 机床状态2输出请<br>求         |
| R1355.4 | S05_4 | Machining satus output3<br>request              | 机床状态3输出请<br>求         |
| R1355.5 | S05_5 | Disabling of ROBODRILL<br>operator's panel      | 禁用操作面板                |
| R1355.6 | S05_6 | Operator message display<br>in progress 2       | 操作信息2显示中              |
| R1355.7 | S05_7 | Lamp check function ON                          |                       |
| R1356.0 | S06_0 | (Reserved)                                      |                       |
| R1356.1 | S06_1 | (Reserved)                                      |                       |
| R1356.2 | S06_2 | (Reserved)                                      |                       |
| R1356.3 | S06_3 | (Reserved)                                      |                       |
| R1356.4 | S06_4 | (Reserved)                                      |                       |
| R1356.5 | S06_5 | (Reserved)                                      |                       |
| R1356.6 | S06_6 | (Reserved)                                      |                       |
| R1356.7 | S06_7 | (Reserved)                                      |                       |
| R1357.0 | S07-0 | Tool breakage                                   | 刀具破损                  |
| R1357.1 | S07_1 | Block skip ON                                   | 程序跳转开                 |
| R1357.2 | S07_2 | Switching of operation<br>mode (to MEM mode)    | 到自动模式                 |
| R1357.3 | S07_3 | Switching of operation<br>mode (to MDI mode)    | 到手动指令模式               |
| R1357.4 | S07_4 | Switching of operation<br>mode (to handle mode) | 到手动模式                 |
| R1357.5 | S07-5 | Switching of operation<br>mode (to edit mode)   | 到编辑模式                 |
| R1357.6 | S07_6 | Machine interior lamp ON                        | 机内灯开                  |
| R1357.7 | S07_7 | Machine interior cleaning<br>coolant control    | 机内冷却液控制               |
| R1358.0 | S08_0 | 4-axis clamp (M10) signal<br>output command     | 4 轴夹紧信号输出<br>代码 (M10) |
| R1358.1 | S08-1 | 4-axis unclamp (M11)<br>signal output command   | 4 轴松开信号输出<br>代码 (M11) |
| R1358.2 | S08-2 | (Reserved)                                      |                       |
| R1358.3 | S08-3 | (Reserved)                                      |                       |
| R1358.4 | S08-4 | Counter 1 (production<br>count) reset           | 生产计数器1复位              |
| R1358.5 | S08-5 | Counter 1 (total<br>production count) reset     | 生产总数1复位               |

|         |        |  |   |
|---------|--------|--|---|
| R1358.6 | S08-6  | Counter 2 (production count) reset       | 生产记数器2复位  |
| R1358.7 | S08-7  | Counter 2 (total production count) reset | 生产总数2复位   |
| R1359.0 | S09-0  | Counter screen display                   | 计数器屏幕显示   |
| R1359.1 | S09-1  |  |   |
| R1359.2 | S09-2  | Alarm output 2 stoppage                  | 报警输出2停止   |
| R1359.3 | S09-3  | Door unlock                              | 没未锁定  |
| R1359.4 | S09-4  | Tool group reset request                 | 刀具组重置请求   |
| R1359.5 | S09-5  | Power OFF request                        | 电源关闭请求  |
| R1359.6 | S09-6  | No spindle rotating                      |   |
| R1359.7 | S09-7  | Low air pressure message cancel          | The message is not displayed when the signal is ON. |
| R1360.0 | S010-0 | (Reserved)                               |   |
| R1360.1 | S010-1 | (Reserved)                               |   |
| R1360.2 | S010-2 | (Reserved)                               |   |
| R1360.3 | S010-3 |  |   |
| R1360.4 | S010-4 | Clamp check(4th axis)                    | 4轴夹紧检查  |
| R1360.5 | S010-5 | Unclamp check (4th axis)                 | 4轴松开检查  |
| R1360.6 | S010-6 | (Reserved)                               |   |
| R1360.7 | S010-7 | (Reserved)                               |   |
| R1361.0 | S011-0 | (Reserved)                               |   |
| R1361.1 | S011-1 | (Reserved)                               |   |
| R1361.2 | S011-2 | (Reserved)                               |   |
| R1361.3 | S011-3 | (Reserved)                               |   |
| R1361.4 | S011-4 | (Reserved)                               |   |
| R1361.5 | S011-5 | (Reserved)                               |   |
| R1361.6 | S011-6 | (Reserved)                               |   |
| R1361.7 | S011-7 | (Reserved)                               |   |
| R1362.0 | S012-0 | Output signal for custom macro(#1000)    |   |
| R1362.1 | S012-1 | Output signal for custom macro(#1001)    |   |
| R1362.2 | S012-2 | Output signal for custom macro(#1002)    |   |
| R1362.3 | S012-3 | Output signal for custom macro(#1003)    |   |
| R1362.4 | S012-4 | Output signal for custom macro(#1004)    |   |
| R1362.5 | S012-5 | Output signal for custom macro(#1005)    |   |

|         |        |   |
|---------|--------|---|
| R1362.6 | S012-6 | Output signal for custom macro(#1006)       |
| R1362.7 | S012-7 | Output signal for custom macro(#1007)       |
| R1363.0 | S013-0 | Output signal for custom macro(#1008)       |
| R1363.1 | S013-1 | Output signal for custom macro(#1009)       |
| R1363.2 | S013-2 | Output signal for custom macro(#1010)       |
| R1363.3 | S013-3 | Output signal for custom macro(#1011)       |
| R1363.4 | S013-4 | Output signal for custom macro(#1012)       |
| R1363.5 | S013-5 | Output signal for custom macro(#1013)       |
| R1363.6 | S013-6 | Output signal for custom macro(#1014)       |
| R1363.7 | S013-7 | Output signal for custom macro(#1015)       |
| R1364.0 | S014-0 | Tool group NO. specification 2 <sup>0</sup> |
| R1364.1 | S014-1 | Tool group NO. specification 2 <sup>1</sup> |
| R1364.2 | S014-2 | Tool group NO. specification 2 <sup>2</sup> |
| R1364.3 | S014-3 | Tool group NO. specification 2 <sup>3</sup> |
| R1364.4 | S014-4 | Tool group NO. specification 2 <sup>4</sup> |
| R1364.5 | S014-5 | Tool group NO. specification 2 <sup>5</sup> |
| R1364.6 | S014-6 | Tool group NO. specification 2 <sup>6</sup> |
| R1364.7 | S014-7 | Tool group NO. specification 2 <sup>7</sup> |
| R1365.0 | S015-0 | Spindle override 2 <sup>0</sup>             |
| R1365.1 | S015-1 | Spindle override 2 <sup>1</sup>             |
| R1365.2 | S015-2 | Spindle override 2 <sup>2</sup>             |
| R1365.3 | S015-3 | Spindle override 2 <sup>3</sup>             |
| R1365.4 | S015-4 | Spindle override 2 <sup>4</sup>             |
| R1365.5 | S015-5 | Spindle override 2 <sup>5</sup>             |
| R1365.6 | S015-6 | Spindle override 2 <sup>6</sup>             |
| R1365.7 | S015-7 | Spindle override 2 <sup>7</sup>             |

|         |        |   |  |
|---------|--------|---|--|
| R1366.0 | S016-0 | Cutting override  | 2 <sup>0</sup>                                     |
| R1366.1 | S016-1 | Cutting override  | 2 <sup>1</sup>                                     |
| R1366.2 | S016-2 | Cutting override  | 2 <sup>2</sup>                                     |
| R1366.3 | S016-3 | Cutting override  | 2 <sup>3</sup>                                     |
| R1366.4 | S016-4 | Cutting override  | 2 <sup>4</sup>                                     |
| R1366.5 | S016-5 | Cutting override  | 2 <sup>5</sup>                                     |
| R1366.6 | S016-6 | Cutting override  | 2 <sup>6</sup>                                     |
| R1366.7 | S016-7 | Cutting override  | 2 <sup>7</sup>                                     |
| R1367.0 | S017-0 | (Reserved)  |  |
| R1367.1 | S017-1 | (Reserved)  |  |
| R1367.2 | S017-2 | (Reserved)  |  |
| R1367.3 | S017-3 | (Reserved)  |  |
| R1367.4 | S017-4 | (Reserved)  |  |
| R1367.5 | S017-5 | (Reserved)  |  |
| R1367.6 | S017-6 | (Reserved)  |  |
| R1367.7 | S017-7 | (Reserved)  |  |
| R1368.0 | S018-0 | (Reserved)  |  |
| R1368.1 | S018-1 | (Reserved)  |  |
| R1368.2 | S018-2 | Detection of the center<br>through coolant<br>lower limit                       | OFF when the<br>lower limit is<br>detected         |
| R1368.3 | S018-3 | Detection of an abnormal<br>center through<br>coolant pressure (upper<br>limit) | OFF when an<br>abnormal<br>pressure is<br>detected |
| R1368.4 | S018-4 | Detection of clogging of<br>the center<br>through filter                        | OFF when<br>clogging is<br>detected                |
| R1368.5 | S018-5 | Detection of an abnormal<br>center through<br>coolant pressure (upper<br>limit) | OFF when an<br>abnormal<br>pressure is<br>detected |
| R1368.6 | S018-6 | Overheating of the center<br>through<br>coolant pump                            | ON when<br>overheating is<br>detected              |



|         |        |  |                                  |
|---------|--------|--|----------------------------------|
| R1368.7 | S018-7 | Detection of clogging of the center        | OFF when clogging is detected    |
|         |        | through suction filter                     |                                  |
| R1369.0 | S019-0 | Center through coolant pump on/off command |                                  |
| R1369.1 | S019-1 | Center through coolant on/off command      |                                  |
| R1369.2 | S019-2 | Air purge on/off command                   |                                  |
| R1369.3 | S019-3 | Spindle air blow                           | Air of the spindle blows for ON. |
| R1369.4 | S019-4 | (Reserved)                                 |                                  |
| R1369.5 | S019-5 | (Reserved)                                 |                                  |
| R1369.6 | S019-6 | (Reserved)                                 |                                  |
| R1369.7 | S019-7 | Start of the lubrication pump              | Pump is executing for ON.        |
| R1370.0 | S020-0 | (Reserved)                                 |                                  |
| R1370.1 | S020-1 | (Reserved)                                 |                                  |
| R1370.2 | S020-2 |  |                                  |
| R1370.3 | S020-3 |  |                                  |
| R1370.4 | S020-4 |  |                                  |
| R1370.5 | S020-5 |  |                                  |
| R1370.6 | S020-6 |  |                                  |
| R1370.7 | S020-7 |  |                                  |
| R1400.0 | SI50_0 | Tool life of group 17                      |                                  |
| R1400.1 | SI50_1 | Tool life of group 18                      |                                  |
| R1400.2 | SI50_2 | Tool life of group 19                      |                                  |
| R1400.3 | SI50_3 | Tool life of group 20                      |                                  |
| R1400.4 | SI50_4 | Tool life of group 21                      |                                  |
| R1400.5 | SI50_5 | Tool life of group 22                      |                                  |
| R1400.6 | SI50_6 | Tool life of group 23                      |                                  |
| R1400.7 | SI50_7 | Tool life of group 24                      |                                  |
| R1401.0 | SI51_0 | Tool life of group 25                      |                                  |
| R1401.1 | SI51_1 | Tool life of group 26                      |                                  |
| R1401.2 | SI51_2 | Tool life of group 27                      |                                  |
| R1401.3 | SI51_3 | Tool life of group 28                      |                                  |
| R1401.4 | SI51_4 | Tool life of group 29                      |                                  |
| R1401.5 | SI51_5 | Tool life of group 30                      |                                  |
| R1401.6 | SI51_6 | Tool life of group 31                      |                                  |
| R1401.7 | SI51_7 | Tool life of group 32                      |                                  |
| R1402.0 | SI52_0 | Tool life of group 33                      |                                  |

R1402.1 SI52\_1 Tool life of group 34  
R1402.2 SI52\_2 Tool life of group 35  
R1402.3 SI52\_3 Tool life of group 36  
R1402.4 SI52\_4 Tool life of group 37  
R1402.5 SI52\_5 Tool life of group 38  
R1402.6 SI52\_6 Tool life of group 39  
R1402.7 SI52\_7 Tool life of group 40

R1403.0 SI53\_0 Tool life of group 41  
R1403.1 SI53\_1 Tool life of group 42  
R1403.2 SI53\_2 Tool life of group 43  
R1403.3 SI53\_3 Tool life of group 44  
R1403.4 SI53\_4 Tool life of group 45  
R1403.5 SI53\_5 Tool life of group 46  
R1403.6 SI53\_6 Tool life of group 47  
R1403.7 SI53\_7 Tool life of group 48

R1404.0 SI54\_0 Tool life of group 49  
R1404.1 SI54\_1 Tool life of group 50  
R1404.2 SI54\_2 Tool life of group 51  
R1404.3 SI54\_3 Tool life of group 52  
R1404.4 SI54\_4 Tool life of group 53  
R1404.5 SI54\_5 Tool life of group 54  
R1404.6 SI54\_6 Tool life of group 55  
R1404.7 SI54\_7 Tool life of group 56

R1405.0 SI55\_0 Tool life of group 57  
R1405.1 SI55\_1 Tool life of group 58  
R1405.2 SI55\_2 Tool life of group 59  
R1405.3 SI55\_3 Tool life of group 60  
R1405.4 SI55\_4 Tool life of group 61  
R1405.5 SI55\_5 Tool life of group 62  
R1405.6 SI55\_6 Tool life of group 63  
R1405.7 SI55\_7 Tool life of group 64

R1406.0 SI56\_0 Tool life of group 65  
R1406.1 SI56\_1 Tool life of group 66  
R1406.2 SI56\_2 Tool life of group 67  
R1406.3 SI56\_3 Tool life of group 68  
R1406.4 SI56\_4 Tool life of group 69  
R1406.5 SI56\_5 Tool life of group 70  
R1406.6 SI56\_6 Tool life of group 71  
R1406.7 SI56\_7 Tool life of group 72

R1407.0 SI57\_0 Tool life of group 73  
R1407.1 SI57\_1 Tool life of group 74  
R1407.2 SI57\_2 Tool life of group 75

R1407.3 SI57\_3 Tool life of group 76  
R1407.4 SI57\_4 Tool life of group 77  
R1407.5 SI57\_5 Tool life of group 78  
R1407.6 SI57\_6 Tool life of group 79  
R1407.7 SI57\_7 Tool life of group 80

R1408.0 SI58\_0 Tool life of group 81  
R1408.1 SI58\_1 Tool life of group 82  
R1408.2 SI58\_2 Tool life of group 83  
R1408.3 SI58\_3 Tool life of group 84  
R1408.4 SI58\_4 Tool life of group 85  
R1408.5 SI58\_5 Tool life of group 86  
R1408.6 SI58\_6 Tool life of group 87  
R1408.7 SI58\_7 Tool life of group 88

R1409.0 SI59\_0 Tool life of group 89  
R1409.1 SI59\_1 Tool life of group 90  
R1409.2 SI59\_2 Tool life of group 91  
R1409.3 SI59\_3 Tool life of group 92  
R1409.4 SI59\_4 Tool life of group 93  
R1409.5 SI59\_5 Tool life of group 94  
R1409.6 SI59\_6 Tool life of group 95  
R1409.7 SI59\_7 Tool life of group 96

R1410.0 SI60\_0 Tool life of group 97  
R1410.1 SI60\_1 Tool life of group 98  
R1410.2 SI60\_2 Tool life of group 99  
R1410.3 SI60\_3 Tool life of group 100  
R1410.4 SI60\_4 Tool life of group 101  
R1410.5 SI60\_5 Tool life of group 102  
R1410.6 SI60\_6 Tool life of group 103  
R1410.7 SI60\_7 Tool life of group 104

R1411.0 SI61\_0 Tool life of group 105  
R1411.1 SI61\_1 Tool life of group 106  
R1411.2 SI61\_2 Tool life of group 107  
R1411.3 SI61\_3 Tool life of group 108  
R1411.4 SI61\_4 Tool life of group 109  
R1411.5 SI61\_5 Tool life of group 110  
R1411.6 SI61\_6 Tool life of group 111  
R1411.7 SI61\_7 Tool life of group 112

R1412.0 SI62\_0 Tool life of group 113  
R1412.1 SI62\_1 Tool life of group 114  
R1412.2 SI62\_2 Tool life of group 115  
R1412.3 SI62\_3 Tool life of group 116  
R1412.4 SI62\_4 Tool life of group 117

R1412.5 SI62\_5 Tool life of group 118  
R1412.6 SI62\_6 Tool life of group 119  
R1412.7 SI62\_7 Tool life of group 120

R1413.0 SI63\_0 Tool life of group 121  
R1413.1 SI63\_1 Tool life of group 122  
R1413.2 SI63\_2 Tool life of group 123  
R1413.3 SI63\_3 Tool life of group 124  
R1413.4 SI63\_4 Tool life of group 125  
R1413.5 SI63\_5 Tool life of group 126  
R1413.6 SI63\_6 Tool life of group 127  
R1413.7 SI63\_7 Tool life of group 128

R1414.0 SI64\_0 Advance notice of tool  
life group 17  
R1414.1 SI64\_1 Advance notice of tool  
life group 18  
R1414.2 SI64\_2 Advance notice of tool  
life group 19  
R1414.3 SI64\_3 Advance notice of tool  
life group 20  
R1414.4 SI64\_4 Advance notice of tool  
life group 21  
R1414.5 SI64\_5 Advance notice of tool  
life group 22  
R1414.6 SI64\_6 Advance notice of tool  
life group 23  
R1414.7 SI64\_7 Advance notice of tool  
life group 24

R1415.0 SI65\_0 Advance notice of tool  
life group 25  
R1415.1 SI65\_1 Advance notice of tool  
life group 26  
R1415.2 SI65\_2 Advance notice of tool  
life group 27  
R1415.3 SI65\_3 Advance notice of tool  
life group 28  
R1415.4 SI65\_4 Advance notice of tool  
life group 29  
R1415.5 SI65\_5 Advance notice of tool  
life group 30  
R1415.6 SI65\_6 Advance notice of tool  
life group 31  
R1415.7 SI65\_7 Advance notice of tool  
life group 32

|         |        |   |
|---------|--------|---|
| R1416.0 | SI66_0 | Advance notice of tool<br>life group 33 |
| R1416.1 | SI66_1 | Advance notice of tool<br>life group 34 |
| R1416.2 | SI66_2 | Advance notice of tool<br>life group 35 |
| R1416.3 | SI66_3 | Advance notice of tool<br>life group 36 |
| R1416.4 | SI66_4 | Advance notice of tool<br>life group 37 |
| R1416.5 | SI66_5 | Advance notice of tool<br>life group 38 |
| R1416.6 | SI66_6 | Advance notice of tool<br>life group 39 |
| R1416.7 | SI66_7 | Advance notice of tool<br>life group 40 |
|         |        |   |
| R1417.0 | SI67_0 | Advance notice of tool<br>life group 41 |
| R1417.1 | SI67_1 | Advance notice of tool<br>life group 42 |
| R1417.2 | SI67_2 | Advance notice of tool<br>life group 43 |
| R1417.3 | SI67_3 | Advance notice of tool<br>life group 44 |
| R1417.4 | SI67_4 | Advance notice of tool<br>life group 45 |
| R1417.5 | SI67_5 | Advance notice of tool<br>life group 46 |
| R1417.6 | SI67_6 | Advance notice of tool<br>life group 47 |
| R1417.7 | SI67_7 | Advance notice of tool<br>life group 48 |
|         |        |   |
| R1418.0 | SI68_0 | Advance notice of tool<br>life group 49 |
| R1418.1 | SI68_1 | Advance notice of tool<br>life group 50 |
| R1418.2 | SI68_2 | Advance notice of tool<br>life group 51 |
| R1418.3 | SI68_3 | Advance notice of tool<br>life group 52 |
| R1418.4 | SI68_4 | Advance notice of tool<br>life group 53 |
| R1418.5 | SI68_5 | Advance notice of tool<br>life group 54 |

|         |        |   |
|---------|--------|---|
| R1418.6 | SI68_6 | Advance notice of tool<br>life group 55 |
| R1418.7 | SI68_7 | Advance notice of tool<br>life group 56 |
| R1419.0 | SI69_0 | Advance notice of tool<br>life group 57 |
| R1419.1 | SI69_1 | Advance notice of tool<br>life group 58 |
| R1419.2 | SI69_2 | Advance notice of tool<br>life group 59 |
| R1419.3 | SI69_3 | Advance notice of tool<br>life group 60 |
| R1419.4 | SI69_4 | Advance notice of tool<br>life group 61 |
| R1419.5 | SI69_5 | Advance notice of tool<br>life group 62 |
| R1419.6 | SI69_6 | Advance notice of tool<br>life group 63 |
| R1419.7 | SI69_7 | Advance notice of tool<br>life group 64 |
| R1420.0 | SI70_0 | Advance notice of tool<br>life group 65 |
| R1420.1 | SI70_1 | Advance notice of tool<br>life group 66 |
| R1420.2 | SI70_2 | Advance notice of tool<br>life group 67 |
| R1420.3 | SI70_3 | Advance notice of tool<br>life group 68 |
| R1420.4 | SI70_4 | Advance notice of tool<br>life group 69 |
| R1420.5 | SI70_5 | Advance notice of tool<br>life group 70 |
| R1420.6 | SI70_6 | Advance notice of tool<br>life group 71 |
| R1420.7 | SI70_7 | Advance notice of tool<br>life group 72 |
| R1421.0 | SI71_0 | Advance notice of tool<br>life group 73 |
| R1421.1 | SI71_1 | Advance notice of tool<br>life group 74 |
| R1421.2 | SI71_2 | Advance notice of tool<br>life group 75 |
| R1421.3 | SI71_3 | Advance notice of tool<br>life group 76 |

|         |        |   |
|---------|--------|---|
| R1421.4 | SI71_4 | Advance notice of tool<br>life group 77 |
| R1421.5 | SI71_5 | Advance notice of tool<br>life group 78 |
| R1421.6 | SI71_6 | Advance notice of tool<br>life group 79 |
| R1421.7 | SI71_7 | Advance notice of tool<br>life group 80 |
|         |        |   |
| R1422.0 | SI72_0 | Advance notice of tool<br>life group 81 |
| R1422.1 | SI72_1 | Advance notice of tool<br>life group 82 |
| R1422.2 | SI72_2 | Advance notice of tool<br>life group 83 |
| R1422.3 | SI72_3 | Advance notice of tool<br>life group 84 |
| R1422.4 | SI72_4 | Advance notice of tool<br>life group 85 |
| R1422.5 | SI72_5 | Advance notice of tool<br>life group 86 |
| R1422.6 | SI72_6 | Advance notice of tool<br>life group 87 |
| R1422.7 | SI72_7 | Advance notice of tool<br>life group 88 |
|         |        |   |
| R1423.0 | SI73_0 | Advance notice of tool<br>life group 89 |
| R1423.1 | SI73_1 | Advance notice of tool<br>life group 90 |
| R1423.2 | SI73_2 | Advance notice of tool<br>life group 91 |
| R1423.3 | SI73_3 | Advance notice of tool<br>life group 92 |
| R1423.4 | SI73_4 | Advance notice of tool<br>life group 93 |
| R1423.5 | SI73_5 | Advance notice of tool<br>life group 94 |
| R1423.6 | SI73_6 | Advance notice of tool<br>life group 95 |
| R1423.7 | SI73_7 | Advance notice of tool<br>life group 96 |
|         |        |   |
| R1424.0 | SI74_0 | Advance notice of tool<br>life group 97 |
| R1424.1 | SI74_1 | Advance notice of tool<br>life group 98 |

|         |        |                                       |
|---------|--------|---------------------------------------|
| R1424.2 | SI74_2 | Advance notice of tool life group 99  |
| R1424.3 | SI74_3 | Advance notice of tool life group 100 |
| R1424.4 | SI74_4 | Advance notice of tool life group 101 |
| R1424.5 | SI74_5 | Advance notice of tool life group 102 |
| R1424.6 | SI74_6 | Advance notice of tool life group 103 |
| R1424.7 | SI74_7 | Advance notice of tool life group 104 |

| 列1      | 列2     | 列3                                    |
|---------|--------|---------------------------------------|
| R1425.7 | SI75_7 | Advance notice of tool life group 112 |
| R1425.6 | SI75_6 | Advance notice of tool life group 111 |
| R1425.5 | SI75_5 | Advance notice of tool life group 110 |
| R1425.4 | SI75_4 | Advance notice of tool life group 109 |
| R1425.3 | SI75_3 | Advance notice of tool life group 108 |
| R1425.2 | SI75_2 | Advance notice of tool life group 107 |
| R1425.1 | SI75_1 | Advance notice of tool life group 106 |
| R1425.0 | SI75_0 | Advance notice of tool life group 105 |
| R1426.0 | SI76_0 | Advance notice of tool life group 113 |
| R1426.1 | SI76_1 | Advance notice of tool life group 114 |
| R1426.2 | SI76_2 | Advance notice of tool life group 115 |
| R1426.3 | SI76_3 | Advance notice of tool life group 116 |
| R1426.4 | SI76_4 | Advance notice of tool life group 117 |
| R1426.5 | SI76_5 | Advance notice of tool life group 118 |
| R1426.6 | SI76_6 | Advance notice of tool life group 119 |
| R1426.7 | SI76_7 | Advance notice of tool life group 120 |



|         |        |  |   |
|---------|--------|--|---|
| R1427.0 | SI77_0 | Advance notice of tool<br>life group 121 |   |
| R1427.1 | SI77_1 | Advance notice of tool<br>life group 122 |   |
| R1427.2 | SI77_2 | Advance notice of tool<br>life group 123 |   |
| R1427.3 | SI77_3 | Advance notice of tool<br>life group 124 |   |
| R1427.4 | SI77_4 | Advance notice of tool<br>life group 125 |   |
| R1427.5 | SI77_5 | Advance notice of tool<br>life group 126 |   |
| R1427.6 | SI77_6 | Advance notice of tool<br>life group 127 |   |
| R1427.7 | SI77_7 | Advance notice of tool<br>life group 128 |   |
| R1428.0 | SI78_0 | (Reserved)                               |   |
| R1428.1 | SI78_1 | (Reserved)                               |   |
| R1428.2 | SI78_2 | (Reserved)                               |   |
| R1428.3 | SI78_3 |  |   |
| R1428.4 | SI78_4 | (Reserved)                               |   |
| R1428.5 | SI78_5 | (Reserved)                               |   |
| R1428.6 | SI78_6 | (Reserved)                               |   |
| R1428.7 | SI78_7 | (Reserved)                               |   |
| R1429.0 | SI79_0 | (Reserved)                               |   |
| R1429.1 | SI79_1 | Taper cleaninf coolant ON<br>singal      | When the Taper<br>cleaninf coolant<br>valve and pump<br>are ON        |
| R1429.2 | SI79_2 | Machining coolant On sing                | When the<br>Machining<br>cleaninf coolant<br>valve and pump<br>are ON |
| R1429.3 | SI79_3 |  |   |
| R1429.4 | SI79_4 |  |   |
| R1429.5 | SI79_5 |  |   |
| R1429.6 | SI79_6 |  |   |
| R1429.7 | SI79_7 |  |   |
| R1430.0 | SI80_0 |  |   |
| R1430.1 | SI80_1 |  |   |
| R1430.2 | SI80_2 |  |   |
| R1430.3 | SI80_3 |  |   |
| R1430.4 | SI80_4 |  |   |
| R1430.5 | SI80_5 |  |   |

|         |        |                 |
|---------|--------|-----------------|
| R1430.6 | SI80_6 |                 |
| R1430.7 | SI80_7 |                 |
| R1431.0 | SI81_0 |                 |
| R1431.1 | SI81_1 |                 |
| R1431.2 | SI81_2 |                 |
| R1431.3 | SI81_3 |                 |
| R1431.4 | SI81_4 |                 |
| R1431.5 | SI81_5 |                 |
| R1431.6 | SI81_6 |                 |
| R1431.7 | SI81_7 |                 |
| F0010.0 |        | M code $2^0$    |
| F0010.1 |        | M code $2^1$    |
| F0010.2 |        | M code $2^2$    |
| F0010.3 |        | M code $2^3$    |
| F0010.4 |        | M code $2^4$    |
| F0010.5 |        | M code $2^5$    |
| F0010.6 |        | M code $2^6$    |
| F0010.7 |        | M code $2^7$    |
|         |        |                 |
| F0011.0 |        | M code $2^8$    |
| F0011.1 |        | M code $2^9$    |
| F0011.2 |        | M code $2^{10}$ |
| F0011.3 |        | M code $2^{11}$ |
| F0011.4 |        | M code $2^{12}$ |
| F0011.5 |        | M code $2^{13}$ |
| F0011.6 |        | M code $2^{14}$ |
| F0011.7 |        | M code $2^{15}$ |
|         |        |                 |
| F0012.0 |        | M code $2^{16}$ |
| F0012.1 |        | M code $2^{17}$ |
| F0012.2 |        | M code $2^{18}$ |
| F0012.3 |        | M code $2^{19}$ |
| F0012.4 |        | M code $2^{20}$ |
| F0012.5 |        | M code $2^{21}$ |
| F0012.6 |        | M code $2^{22}$ |
| F0012.7 |        | M code $2^{23}$ |
|         |        |                 |
| F0013.0 |        | M code $2^{24}$ |
| F0013.1 |        | M code $2^{25}$ |
| F0013.2 |        | M code $2^{26}$ |
| F0013.3 |        | M code $2^{27}$ |
| F0013.4 |        | M code $2^{28}$ |
| F0013.5 |        | M code $2^{29}$ |
| F0013.6 |        | M code $2^{30}$ |
| F0013.7 |        | M code $2^{31}$ |