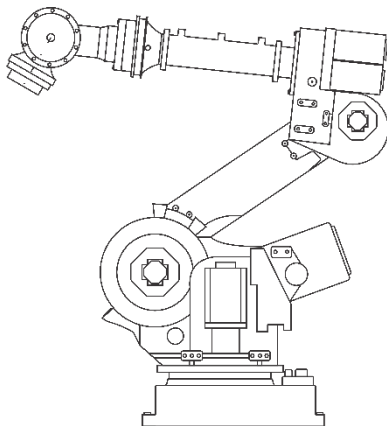


FANUC

Variables



1. **\$DMR_GRP**

Dynamic Mastering Record

You can find here all information about mastering and overtravel.

1.1. **\$DMR_GRP[1].\$MASTER_DONE**

The value next to the variable indicates if the mastering procedure has been performed (you will see "1") or not (you will see "0")

1.1. **\$DMR_GRP[1].\$MASTER_COUNT**

Master counts data for each robot axis

1.2. **\$DMR_GRP[1].\$REF_COUNT**

Here are store encoder values when you "hit save" at reference position (quick mastering)

1.3. **\$DMR_GRP[1].\$REF_POS**

Reference position saved in joint angles (quick mastering)

2. **\$JOG_GROUP**

2.1. **\$JOG_GROUP.\$FINE_DIST**

Allows us to set a fix distance (in mm) that robot will move after jogging at FINE speed

3. **\$SCR_GRP**

System Configuration Record for each group

3.1. **\$SCR_GRP[1].\$m_pos_enb**

Enables reading robot current position from machine pulse

3.2. **\$SCR_GRP[1].\$MCH_POS_X**

Robot current X position in WORLD CORRGINATES

3.3. **\$SCR_GRP[1].\$MCH_POS_Y**

Robot current Y position in WORLD CORRGINATES

3.4. **\$SCR_GRP[1].\$MCH_POS_Z**

Robot current Z position in WORLD CORRGINATES

3.5. **\$SCR_GRP[1].\$MCH_POS_W**

Robot current W position in WORLD CORRGINATES

3.6. **\$SCR_GRP[1].\$MCH_POS_P**

Robot current P position in WORLD CORRGINATES

3.7. **\$SCR_GRP[1].\$MCH_POS_R**

Robot current R position in WORLD CORRGINATES

4. **\$SHFTOV_ENB**

Enables Shift Override. When set to 1 while holding SHIFT speed will change to 1,5,50,10. (affected by \$OVRD_SETUP)

5. **\$OVRD_SETUP**

Allows us to setup custom speed increments for +/- speed buttons

5.1. **\$ OVRD_SETUP.\$OVRD_NUM**

Specifies number of override values we want to use for our custom override setup in \$OVRD_SETUP.\$OVERRIDE. Max value 10.

5.2. **\$ OVRD_SETUP.\$OVERRIDE**

Custom override setup for standard speed increments (without SHIFT)

5.3. **\$ OVRD_SETUP.\$OVRD_NUM_S**

Specifies number of override values we want to use for our custom override setup in \$OVRD_SETUP.\$OVERRIDE_S. Max value 10.

5.4. **\$ OVRD_SETUP.\$OVERRIDE_S**

Custom override setup for SHIFT speed increments (with SHIFT)

6. \$MASTER_ENB

Enables Master/Cal menu under SYSTEM, if set to “0” option is hidden

7. \$MCR

Motion Control Record.

7.1. \$MCR.\$GENOVERRIDE

Specifies robot speed (the % value in the top right corner on robot teach pendant).