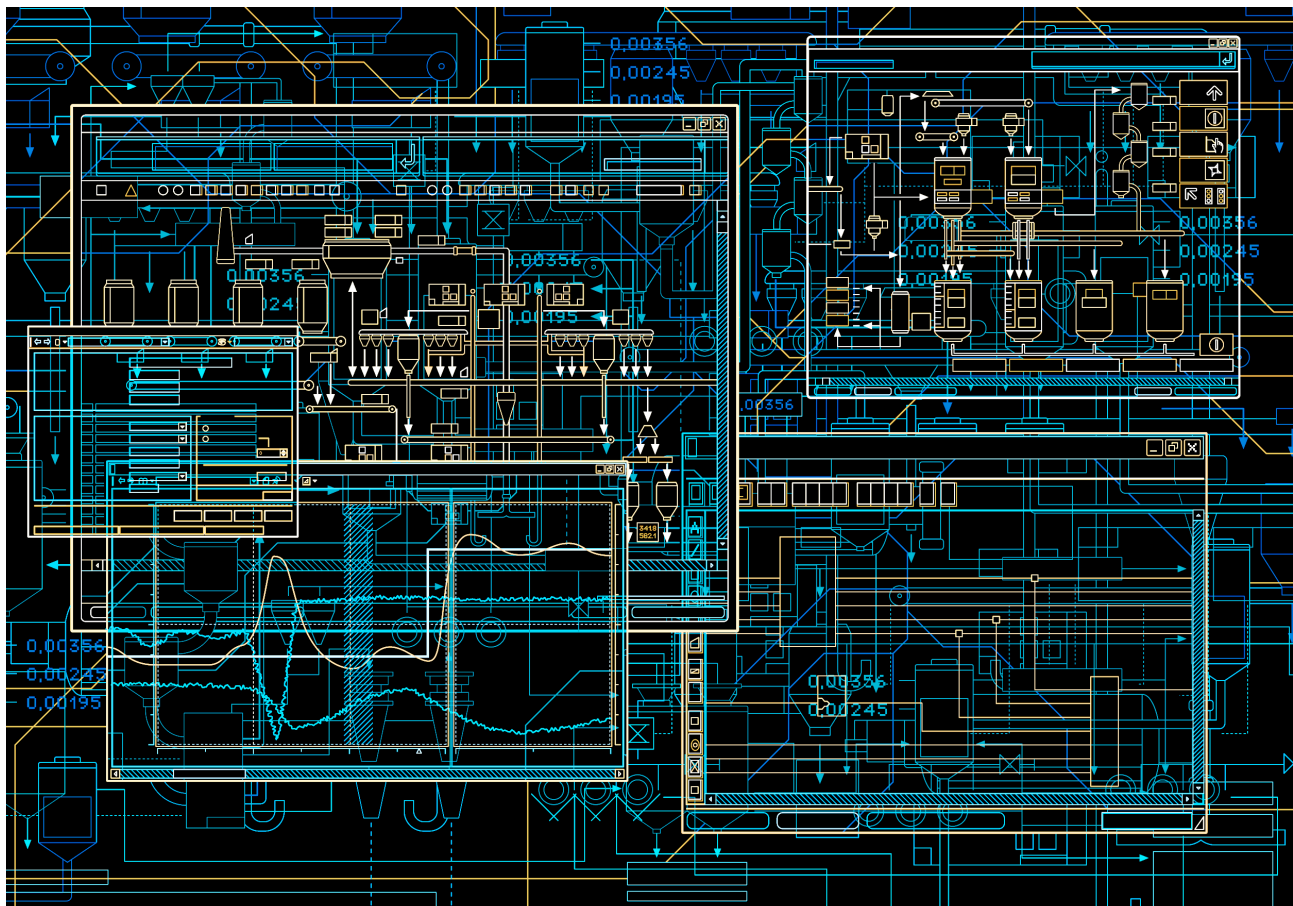




S800 I/O

DTM 5.3

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Table 1. S800 I/O Units (Continued)

Units	Description
AI895	Analog Input, 1*8 channels, 4..20 mA, I.S. and HART Interface
AO801	Analog Output 1*8 channels, 0...20 mA, 4...20 mA
AO810	Analog Output, 1*8 channels, 0..20 mA, 4..20 mA
AO815	Analog Output, 1*8 channels, 4..20 mA, HART Interface, Extended Diagnosis
AO820	Analog Output, 4*1 channels, -20..20 mA, 0..20 mA, 4..20 mA, -10..10 V, 0..10 V, 2..10 V, individually isolated
AO845	Analog Output, 1*8 channels, 4..20 mA, HART Interface, Extended Diagnosis, Redundant Applications
AO890	Analog Output, 1*8 channels, 0..20 mA, 4..20 mA, I.S Interface
AO895	Analog Output, 1*8 channels, 4..20 mA, I.S. and HART Interface
DI801	Digital Input 24 V d.c., 1*16 channels ⁽¹⁾
DI802	Digital Input 120 V a.c., 110 V d.c., 8*1 channels
DI803	Digital Input 230 V a.c., 220 V d.c., 8*1 channels
DI810	Digital Input 24 V d.c., 2*8 channels ⁽²⁾ , current sinking
DI811	Digital Input 48 V d.c, 2*8 channels current sinking

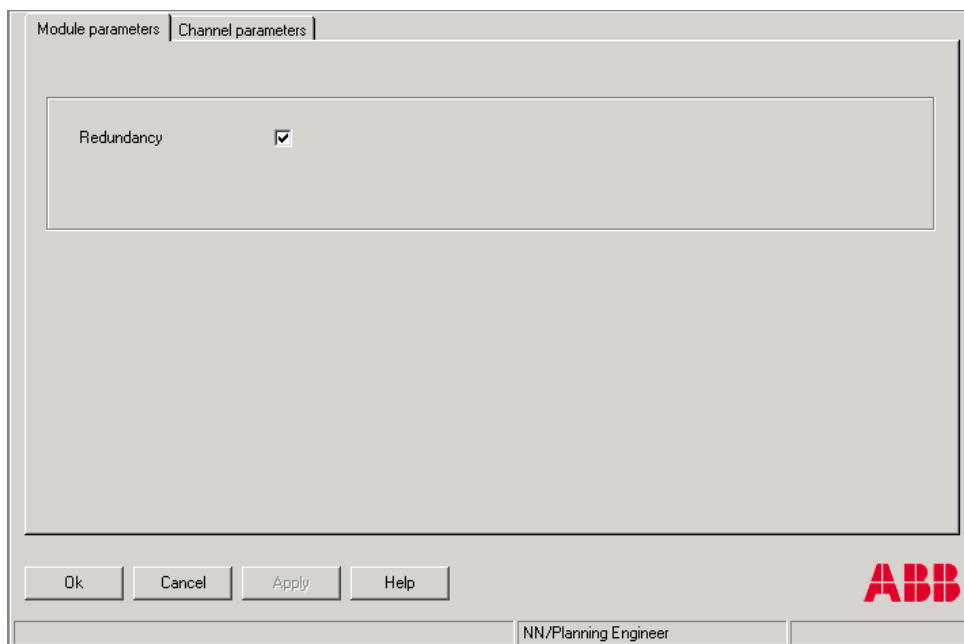
Module parameters tab (only applicable for AO845)

Figure 49. AO845 - Configuration - Module Parameters Tab

- **Redundancy**
Mark the Redundancy check box if the unit shall be set for redundant operation.

Channel parameters tab

The Channel parameters tab shows the user parameters of the module. It shows Signal range, OSP control, OSP value and Output filter.

The screenshot displays the 'Channel parameters' tab of a configuration window for AO815/AO845 modules. It contains eight identical channel configuration rows, labeled Channel 1 through Channel 8. Each row includes a 'Deactivate' checkbox, a 'Signal range' dropdown menu (all set to '4...20mA'), an 'OSP control' dropdown menu (all set to 'Set OSP value'), an 'OSP value' text input field (all set to '0'), and an 'Output filter' checkbox (all unchecked). At the bottom of the window, there are buttons for 'OK', 'Cancel', 'Apply', and 'Help'. The ABB logo is positioned in the bottom right corner, and the text 'NN/Planning Engineer' is visible in the bottom left corner.

Figure 50. AO815 and AO845 - Configuration - Channel Parameters Tab

Channel area

Mark the **Deactivate** check box if the channel shall not be used.

Make the required choices in the **Signal range** and the **OSP control** drop-down menus.

If the alternative “Set OSP value” is chosen, you can type your own value (0-100%) in the **OSP value** text field.

Mark the **Output filter** check box if it shall be used. Should be set when using HART.