

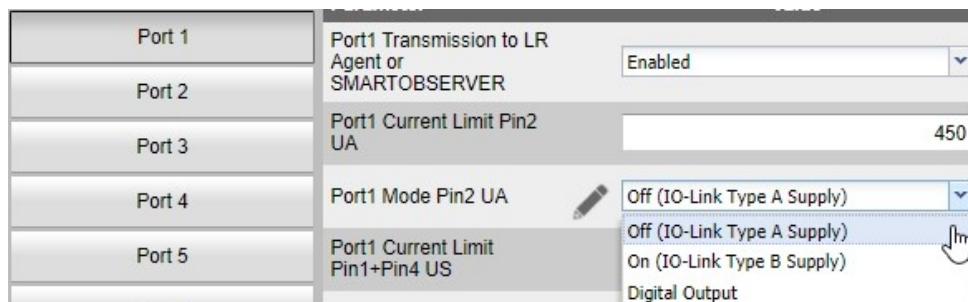


AL14xx A/B port options -- Siemens TIA Portal

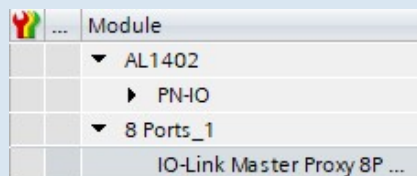
The PerformanceLine IO-Link masters (AL14xx) provide an output current rating of 2A. The user can configure ports 1...4 as A or B types and factory default is type A.

For easy testing, modify the ports using LRDevice configuration software.

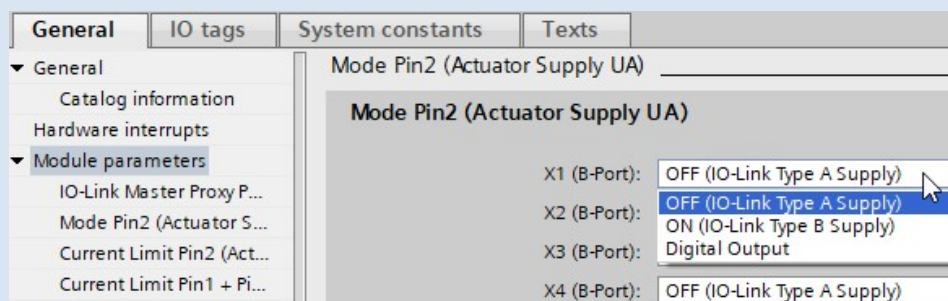
Note: The PLC overwrites this configuration when connected via most fieldbus modules (EIP, ProfiNet, EtherCAT, etc.).



Using TIA Portal, select IO-Link Master Proxy and open the Properties tab.



Modify each port by selecting Module parameters > Mode Pin2 (Actuator Supply UA).





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Current control can be set for all ports. Note that ports 5...8 are type A only. The sensor power current limit is the threshold unless the port is set to type B.

Current Limit Pin2 (Actuator Supply UA max. 8A) [mA]

X1 (B-Port):	<input type="text" value="2000"/>
X2 (B-Port):	<input type="text" value="2000"/>
X3 (B-Port):	<input type="text" value="2000"/>
X4 (B-Port):	<input type="text" value="2000"/>

Current Limit Pin1 + Pin4 (Sensor Supply US max. 3.6A) [mA]

X1 (B-Port):	<input type="text" value="450"/>
X2 (B-Port):	<input type="text" value="450"/>
X3 (B-Port):	<input type="text" value="450"/>
X4 (B-Port):	<input type="text" value="450"/>
X5 (A-Port):	<input type="text" value="450"/>
X6 (A-Port):	<input type="text" value="450"/>
X7 (A-Port):	<input type="text" value="450"/>
X8 (A-Port):	<input type="text" value="450"/>

Fail Safe mode can be set for AUX power. If the fieldbus communication fails, the master retains these mode settings.

Fail Safe DO Mode Pin2 (Actuator Supply UA)

X1 (B-Port):	<input type="text" value="Fail Safe Set Value"/>
X2 (B-Port):	<input type="text" value="Fail Safe Reset Value"/>
X3 (B-Port):	<input type="text" value="Fail Safe Old Value"/>
X4 (B-Port):	<input type="text" value="Fail Safe Set Value"/>

Fail Safe Reset Value	Failsafe enabled: reset value
Fail Safe Old Value	Failsafe enabled: Hold last value*
Fail Safe Set Value	Failsafe enabled: set the defined value

* Factory settings