

4.4 EX350

4.4.1 General Information

Using the EX350 I/O master controller allows up to four expansion backplanes (including all I/O modules) to be operated with the CP260, CP360, IF260 and IP161 CPUs.

The I/O master controller is operated in the expansion slot of a PS465 power supply module. I/O modules on the main rack are handled by the CPU. The EX350 module supports the CPU during data processing of the I/O modules on the expansion base plates.

4.4.2 Order Data


Model Number	Short Description	Image
	Local I/O Master Controller	
3EX350.6	2005 local I/O master controller, controls I/O modules on up to four expansion backplanes, power supply module insert	
	Accessories	
0G0010.00-090	Cable I/O bus expansion, 1 m, bus expansion for B&R 2005 / B&R 2010	
0G0012.00-090	Cable I/O bus expansion, 2 m, bus expansion for B&R 2005 / B&R 2010	

Table 44: EX350 order data

4.4.3 Technical Data

Product ID	EX350
C-UL-US Listed	Yes
B&R ID Code	\$02
Slot	Insert for power supply PS465
Communication Interface	Expansion master
Electrical Isolation	No
Access Procedure	B&R local I/O bus expansion (secure)
Data Buffering	Battery buffered via B&R 2005 backplane
Number of Expansion Backplanes	Max. 4
Number of I/O Data Points Digital Analog	Refers to B&R 2005 main and expansion systems 1024 inputs / 1024 outputs 512 inputs / 512 outputs
Power Consumption 5 V 24 V Total	Max. 1.5 W --- Max. 1.5 W
Dimensions (H, W, D) [mm]	130, 28, 105

Table 45: EX350 technical data

4.4.4 Installation and Communication Interface

The I/O master controller is operated in the expansion slot of a PS465 power supply module.

A B&R System 2005 or 2010 expansion slave can be connected to I/O master controller interface (see Chapter 2 "Installation", Section 2 "System Configuration and Power Supply", on page 54).



Figure 54: EX350 installation and communication interface

4.4.5 Module Fastener

The module is equipped with a module fastener (starting with revision 02.00). The module fastener prevents the I/O master controller from falling out of the power supply during transport.

A screwdriver is required to install the module. The screwdriver should be inserted between the power supply and EX350 at the same height as the sloped marking (see figure below). By simultaneously levering the screwdriver in the direction of the power supply and pulling the EX350, the I/O master controller is taken out from its bracing and can be removed from the power supply.

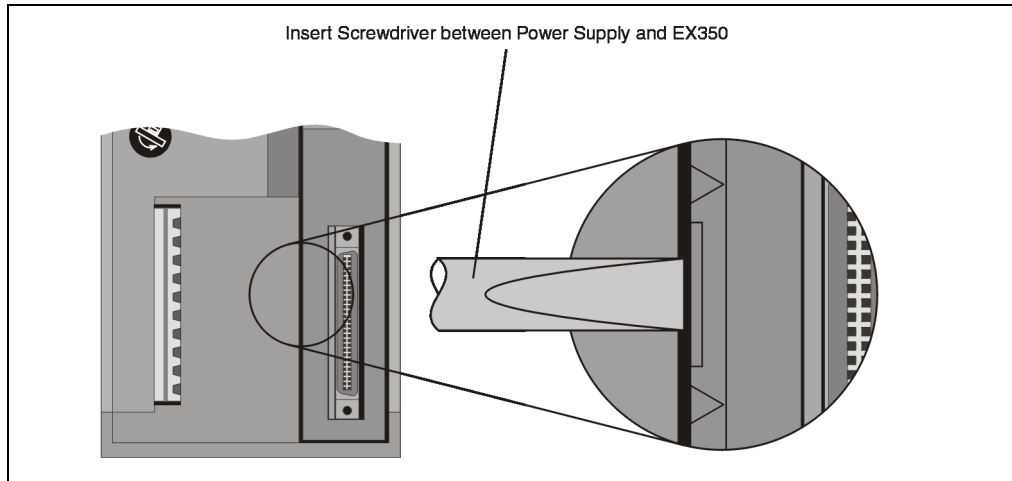


Figure 55: EX350 module fastener