

# PRODUCT PROFILE

**BULLETIN 1492**

Initial wiring of drive Input/Output (I/O) control circuits can take time and in industrial control applications time, as everyone knows is money. In addition, if an I/O control wiring mistake is made during installation, finding that mistake during system startup is frustrating and results in costly down time.

Allen-Bradley's 1492 in-panel wiring systems for the control I/O of the PowerFlex 700H and 700S AC drive can save you 50% or more on your control wiring time and virtually eliminate wiring errors when compared with wiring to traditional terminal blocks. The 1492 wiring system consists of a pre-assembled and fully tested cable and DIN rail mountable discrete (IFM) or analog (AIFM) interface module. With a 1492 wiring system the time spent assembling rails of terminal blocks, cutting, stripping, labeling and terminating the control wires is history. Connection of field wires to the IFM/AIFM module is made even easier by using versions of the 1492 modules with Removable field terminal blocks (RIFM/RAIFM).

Simply mount the 1492 module to a standard DIN rail. Then attach the 1492 cable with its pre-wired PowerFlex 700H or 700S drive compatible terminal block to the mating drive I/O connection and plug the other cable end into the 1492 Wiring System module. It's a snap!

## 1492 WIRING SYSTEMS FOR CONTROL I/O OF POWERFLEX® 700H AND 700S AC DRIVES



PowerFlex® 700S  
AC Drive



PowerFlex® 700H  
High Horsepower Drive

**ESSENTIAL COMPONENTS.  
EXCEPTIONAL VALUE.**

# PRODUCT CONFIGURATION



Wiring System Module Cat. No.	Wiring System Module Description		PowerFlex 700S Drive Module		PowerFlex 700H Drive Module		
			DC Discrete I/O (TB2)	Analog I/O (TB1)	DC Discrete I/O (20C-DA1-A & 20C-DO1)	AC Discrete I/O (20C-DA1-B & 20C-DO1)	Analog I/O
1492-IFM20F	Feed-through Digital Std 264V ac/dc w/fixed T.B.	Compatible 1492 Cable Catalog Number	1492-CAB(1)A7S	–	1492-CAB(1)A7H	1492-CAB(1)B7H	–
1492-RIFM20F	Feed-through Digital Std 264V ac/dc w/removable T.B.		1492-CAB(1)A7S	–	1492-CAB(1)A7H	1492-CAB(1)B7H	–
1492-IFM20FN	Feed-through Digital Narrow Std 132V ac/dc w/fixed T.B.		1492-CAB(1)A7S	–	1492-CAB(1)A7H	1492-CAB(1)B7H	–
1492-RIFM20FN	Feed-through Digital Narrow Std 132V ac/dc w/removable T.B.		1492-CAB(1)A7S	–	1492-CAB(1)A7H	1492-CAB(1)B7H	–
1492-IFM20F-2	Feed-through Digital Extra Terminals (2 per I/O) 264V ac/dc w/fixed T.B.		1492-CAB(1)A7S	–	1492-CAB(1)A7H	1492-CAB(1)B7H	–
1492-RIFM20F-2	Feed-through Digital Extra Terminals (2 per I/O) 264V ac/dc w/removable T.B.		1492-CAB(1)A7S	–	1492-CAB(1)A7H	1492-CAB(1)B7H	–
1492-AIFM6S-3	Feed-through Analog 6-chnl Isolated with 3 terminals/chnl w/fixed T.B.		–	1492-ACAB(1)Z7S	–	–	1492-ACAB(1)Z7H
1492-RAIFM6S-3	Feed-through Analog 6-chnl Isolated with 3 terminals/chnl w/removable T.B.		–	1492-ACAB(1)Z7S	–	–	1492-ACAB(1)Z7H

**NOTES:** (1) Cable are available in standard lengths 0.5m (005), 1.0m (010), 2.5 (025) and 5.0 (050). Example: 1492-CAB010A7S is a 1 meter cable.

- To Select a system:**
- Find the appropriate PowerFlex 700S or 700H drive module. Example: 700S Module TB2
  - Select a 1492 Wiring System module that meets your application requirements. Example: 1492-RIFM20F
  - Select the compatible 1492 Wiring System cable. This is at the intersection of the Drive Module and 1492 Module. Example: 1492-CAB(1)A7S

[www.rockwellautomation.com](http://www.rockwellautomation.com)

## Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846