

F-PRO Feeder Protection Relay

Ordering Template

In order to specify and order an ERLPhase F-PRO relay properly configured for the application, a part number must be constructed as indicated below:

F-PRO aaa b c d

aaa - Model: _____

- **215:** (50, 51, 50N, 51N, 50G, 51G, 46/50, 46/51, 49, 50BF, 46BC, 81HBL2, I²t-CB, 79) - **4CT**
- **216:** (50, 51, 50N, 51N, 50G, 51G, 64/50SEF, 64/51SEF, 46/50, 46/51, 49, 50BF, 46BC, 79, 81HBL2, I²t-CB) - **5CT**
- **235:** (27/59DT, 27/59IT, 50/67, 51/67, 50N/67N, 51N/67N, 27/59DT, 27/59IT, 46/50, 46/51, 49, 50BF, 46BC, 79, 60CTS, 60VTS, 81HBL2, I²t-CB) - **3CT + 3VT**
- **295:** (27/59DT, 27/59IT, 24DT, 24IT, 47DT, 47IT, 59NDT, 59NIT, 59GDT, 59GIT, 81U/O, 81R, 25/27/59, 64/50/67SEF, 64/51/67SEF, 60VTS, THD) - **5VT+1CT**
- **297:** (27/59DT, 27/59IT, 24DT, 24IT, 47DT, 47IT, 59NDT, 59NIT, 37, 50/67, 51/67, 50N/67N, 51N/67N, 50G/67G, 51G/67G, 46/50, 46/51, 64/50/67SEF, 64/51/67SEF, 49, CBF, 46BC, 81HBL2, 81U/O, 81R, 32, 60VTS, 60CTS, I²t-CB, THD, 79) - **3VT + 5CT**
- **298:** (27/59DT, 27/59IT, 24DT, 24IT, 47DT, 47IT, 59NDT, 59NIT, 37, 50/67, 51/67, 50N/67N, 51N/67N, 46/50, 46/51, 64/50/67SEF, 64/51/67SEF, 49, CBF, 46BC, 81HBL2, 81U/O, 81R, 32, 60VTS, 60CTS, I²t-CB, THD, 25/27/59, 79) - **4VT + 4CT**

b – Auxiliary Supply & External Input Rating: _____

- **1:** Auxiliary supply - 20 to 60 V_{dc} External input - 24 V_{dc}
- **2:** Auxiliary supply - 20 to 60 V_{dc} External input - 48 V_{dc}
- **3:** Auxiliary supply - 80 to 300 V_{dc} External input - 110 V_{dc}
- **4:** Auxiliary supply - 80 to 300 V_{dc} External input - 220 V_{dc}

c – Enclosure, Number of Inputs, Outputs & LEDs: _____

- **A:** E6 case, 4 external inputs, 8 relay outputs and 8 LED's^{**}
- **B:** E8 case, 14 external inputs, 14 relay outputs and 14 LED's^{*}

d – Communication Ports: _____

- **1:** Redundant Ethernet port (100BASE-T, RJ45, PRP)*
- **2:** Redundant Ethernet port (100BASE-FX, ST, PRP) *
- **3:** One Ethernet port (100BASE-T, RJ45)
- **4:** One Ethernet port (100BASE-FX, ST)*

Example:

Ordering Code Example	F-PRO	215	3	A	3
Model - 50, 51, 50N, 51N, 50G, 51G, 46/50, 46/51, 49, 50BF, 46BC, 81HBL2, I ² t-CB, 79					
Auxiliary supply - 80 to 300 V _{dc} external input - 110 V _{dc}					
Enclosure - E6 case, number of inputs, outputs and LEDs - 4 external inputs, 8 relay outputs, 8 LEDs					
Communication Ports - One Ethernet Port (100BASE-T,RJ45)					

Standard Functions and Features:

- 1A (or) 5A CT secondary input is site selectable
- Disturbance recorder, fault recorder, metering, ProLogic, trip circuit supervision
- Front USB port, rear serial RS485 port and horizontal flush panel mounting chassis
- Modbus (or) IEC103 (or) DNP3.0 are supported over RS485 port and DNP3.0 and IEC 61850 (or) PRP are supported over Ethernet
- IRIG-B (or) SNTP for time sync

* Applicable only for F-PRO 297 and F-PRO 298 models, ** Applicable only for F-PRO 215, F-PRO 216, F-PRO 235 and F-PRO 295 models

The specifications and product information contained in this document are subject to change without notice.
In case of inconsistencies between documents, the version at www.easunreynrolle.com will be considered correct. (D05114R08)

