

MA Relay Ordering Information

Standard Motor Protection Relay Kits



About

The MA Motor Protection and Control Relay is an ISO 9001:2008 compliant, three-phase motor protection relay, designed and manufactured in South Africa. Used as either a standalone Electronic Motor Protection Relay or as part of an automation network process communicating to a PLC, this motor control relay is equipped with 5 digital inputs accepting field supply voltages from 24V to 220V AC or DC and 4 potential free C/O contacts, 2 of which are programmable.

Thermal curves (Class 3 to 35), to IEC 60255-8, 3 x PTC 100 inputs, earth leakage, earth fault and short-circuit protection, load loss protection, over and undervoltage protection and voltage symmetry are all features available through the range 5 to 250A. The integrated C.T. block also includes the earth leakage core balance C.T.

Indication LEDs address the need of maintenance personnel involved in fault-finding, while the free NewElec frontend software enables recording of the motor performance.

Protection Features:

- Thermal Overload Protection
- Locked Rotor Protection
- Running Stall / Jam Protection
- Unbalanced Current Protection
- Single Phasing Protection
- Minimum Load / Underload Protection
- Earth Leakage Protection
- Earth Fault Protection
- Short-Circuit Protection
- Starts per Hour Limitation
- Over / Undervoltage / Phase Rotation
- MCCB / Contactor Co-ordination
- Latched LED Trip Indication
- Fault Recording
- 3-Phase Recorder
- N/O Signalling Contacts
- 5 Digital Inputs
- Profibus DP
- Modbus RTU
- Canbus





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Complete Motor Protection Solution to Suite:

0.18 - 2.2 KW Motor



Standard Kit

Product Code Description

FPR0708 *MA5*

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

Available to communicate via:

ProtocolProduct CodeDescriptionCanbusFPR0783MA5 with CanbusModbusFPR0133MA5 with ModbusProfibusFPR0750MA5 with Profibus

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Complete Motor Protection Solution to Suite:

0.37 - 4.00 KW Motor



Standard Kit

Product Code Description

FPR0137 *MA10*

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

Available to communicate via:

ProtocolProduct CodeDescriptionCanbusFPR0705MA10 with CanbusModbusFPR0181MA10 with ModbusProfibusFPR0744MA10 with Profibus

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Complete Motor Protection Solution to Suite:

3 - 22 KW Motor



Standard Kit

Product Code Description

FPR0143 *MA50*

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

Available to communicate via:

ProtocolProduct CodeDescriptionCanbusFPR0734MA50 with CanbusModbusFPR0735MA50 with ModbusProfibusFPR0733MA50 with Profibus

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Complete Motor Protection Solution to Suite:

5.5 - 47 KW Motor



Standard Kit

Product Code Description

FPR0138 *MA100*

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

Available to communicate via:

ProtocolProduct CodeDescriptionCanbusFPR0774MA100 with CanbusModbusFPR0131MA100 with ModbusProfibusFPR0737MA100 with Profibus

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Complete Motor Protection Solution to Suite:

11 to 110 KW Motor



Standard Kit

Product Code Description

FPR0139 *MA250*

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

Available to communicate via:

ProtocolProduct CodeDescriptionCanbusFPR0704MA250 with CanbusModbusFPR0132MA250 with ModbusProfibusFPR0130MA250 with Profibus

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Complete Motor Protection Solution to Suite:

18.5-132 KW Motor



Standard Kit

Product Code Description

FPR0708 *MA5*

CTX0013 CT 300/5 5va Class 1 MR2 36mm ID BTX0002 C.B.C.T. 1000/1 MOH Steel 104 mm ID

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

Available to communicate via:

ProtocolProduct CodeDescriptionCanbusFPR0783MA5 with CanbusModbusFPR0133MA5 with ModbusProfibusFPR0750MA5 with Profibus

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Complete Motor Protection Solution to Suite:

18.5-150 KW Motor



Standard Kit

Product Code Description

FPR0708 *MA5*

CTX0051 CT 400/5 5va Class 1 MR2 36mm ID BTX0003 C.B.C.T. 1000/1 MOH Steel 150 mm ID

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

Available to communicate via:

ProtocolProduct CodeDescriptionCanbusFPR0783MA5 with CanbusModbusFPR0133MA5 with ModbusProfibusFPR0750MA5 with Profibus

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Complete Motor Protection Solution to Suite:

22-200KW Motor



Standard Kit

Product Code Description

FPR0708 *MA5*

CTX0053 CT 500/5 5va Class 1 MR2 36mm ID BTX0004 C.B.C.T. 1000/1 MOH Steel 150 mm ID

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

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Complete Motor Protection Solution to Suite:

32-275 KW Motor



Standard Kit

Product Code Description

FPR0708 *MA5*

CTX0052 CT 600/5 5va Class 1 MR2 36mm ID BTX0003 C.B.C.T. 1000/1 MOH Steel 150 mm ID

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

Available to communicate via:

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Complete Motor Protection Solution to Suite:

45-400 KW Motor



Standard Kit

Product Code Description

FPR0708 *MA5*

CTX9999 CT 800/5 5va Class 1 MR2 36mm ID BTX0004 C.B.C.T. 1000/1 MOH Steel 150 mm ID

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0016 USB to RS232 CONVERTER

WEBCD Free Product Software

Available to communicate via:

ProtocolProduct CodeDescriptionCanbusFPR0783MA5 with CanbusModbusFPR0133MA5 with ModbusProfibusFPR0750MA5 with Profibus

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Complete Motor Protection Solution to Suite:

Accessories: MA RDU 2X16 Kit:



Standard Kit

Product Code Description

FPR0707 *MA 2x16 Remote Display Unit*

CAB0006 Cable DB9 Male to Male RS232 2M NEWEL14

CAB0008 RDU216 Dongle (NEWEL 15)

Accessories: MA RDU 216 Battery Operated in Toolbox Kit:



Standard Kit

Product Code FPR0817

Description

MA RDU 216 Battery Operated in Toolbox

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Complete Motor Protection Solution to Suite:

Accessories: MA F LED Remote Display Unit Kit:



Standard Kit

Product Code Description

FPR0210 MA F LED Remote Display Unit

CAB0010 2M UTP Fly Lead For F LED NEWEL16

Accessories: MA RDU 2X16 Kit:



Standard Kit

Product Code Description

CAB0004 Cable DB9 RS232 Male to Female MA-Laptop

CAB0013 DB9 Female to RJ12 150mm NEWEL18

CAB0016 USB to RS232 Converter WEBCD Free Product Software

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Complete Motor Protection Solution to Suite:

Comms Modules:



Standard Kit

Product Code Description

FPR0767 *MA Canbus BBRTU* **FPR0769** *MA Modbus BBRTU* **FPR0768** *MA Profibus BBRTU*

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