

COIL ACTUATOR OUTPUTS

No. of Coil Actuators:	3 (1 per phase)
Open Maximum Current:	5 to 20 A
Close Maximum Current:	5 to 20 A
Open Pulse Time:	15 to 100 ms
Close Pulse Time:	15 to 100 ms
Operate Time:	< 8 ms
Intervals between full sequence operation:	Minimum 60s between two consecutive full sequence operations; Minimum 30mins after 6 consecutive full sequence operations with minimum interval.

Power Supply**POWER SUPPLY (FOR H AND R OPTIONS ONLY)**

Nominal DC Voltage:	125 to 250 V
Minimum DC Voltage:	88 V
Maximum DC Voltage:	300 V
Nominal AC Voltage:	100 to 240 V at 50/60 Hz
Minimum AC Voltage:	88 V at 50 to 60 Hz
Maximum AC Voltage:	265 V at 50 to 60 Hz

POWER SUPPLY (FOR L DC OPTION ONLY)

Nominal DC Voltage:	24 V to 48 V
Minimum DC Voltage:	20 V
Maximum DC Voltage:	60 V

POWER CONSUMPTION

Typical:	20 W / 40 VA
Maximum:	34 W / 70 VA

VOLTAGE LOSS RIDE THROUGH

Typical (at typical power consumption):	50 ms
For R order code:	200 ms

Communications**ETHERNET – BASE OFFERING (“SE” OPTION)**

Modes:	10/100 Mbps
One Port:	RJ45
Protocol:	Modbus TCP, DNP

ETHERNET – CARD OPTION “C” - 2X COPPER (RJ45) PORTS

Modes:	10/100 MB
Two Ports:	RJ45 (with this option both enabled ports are on the communications card; the Ethernet port located on the base CPU is disabled)
Protocols:	Modbus TCP, DNP3.0, IEC60870-5-104, IEC 61850 Ed.2, IEC 61850 Ed.2 GOOSE, IEEE 1588 (PTP version 2), SNTP, IEC 62439-3 clause 4 (PRP)

ETHERNET – CARD OPTION “S” - 2X ST FIBER PORTS

Fiber type:	100 MB Multi-mode
Two Ports:	ST (with this option both enabled ports are on the communications card; the Ethernet port located on the base CPU is disabled)
Protocols:	Modbus TCP, DNP3.0, IEC60870-5-104, IEC 61850 Ed.2, IEC 61850 Ed.2 GOOSE, IEEE 1588 (PTP version 2), SNTP, IEC 62439-3 clause 4 (PRP), OPC-UA
Wavelength:	1300nm
Typical link distance:	4 km