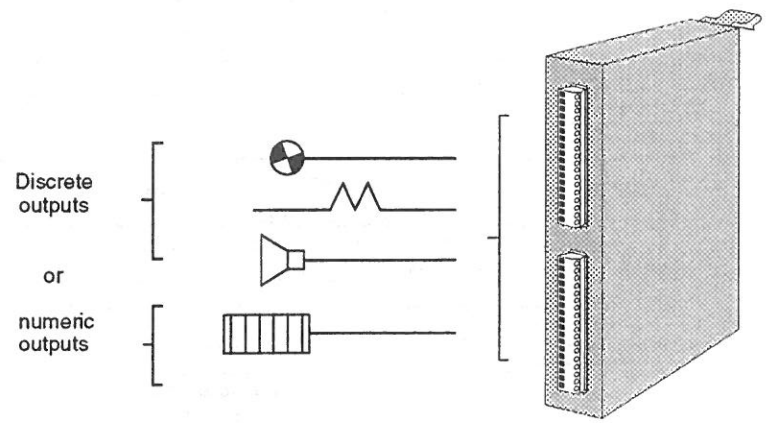
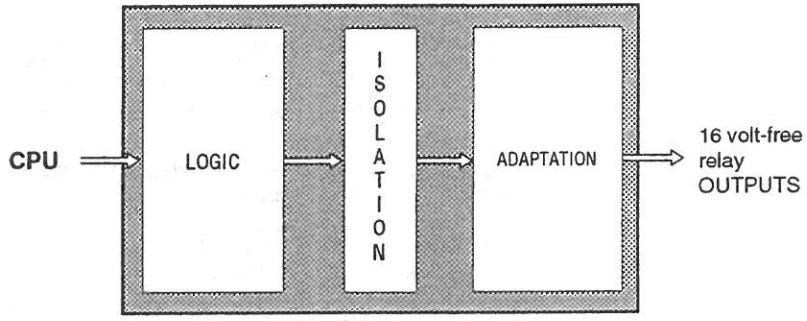
2 A 16 volt-free relay output module
(24 VDC relay power supply) : QMA2161

Introduction

This module is used to transmit discrete or numeric data to the process.
It complies with standards IEC 65A and NFC 63850.



The module has 16 volt-free relay outputs.



B

Characteristics

Operating voltage	
AC voltage	12 to 250 VAC (47 to 63 Hz)
nominal current	2 A
peak current during 1 cycle	12 A
minimum load current	20 mA to 250 VAC
residual current at state 0	< 1 mA
DC voltage	12 to 128 VDC
nominal current	2 A
loss voltage	≤ 2 V
residual voltage at state 0	< 1 mA
minimum load current	45 mA to 128 VDC
For applications with resistive or inductive loads (see curves on next page)	
Transil diode for protection against overvoltages	
Delay time	rise 15 ms fall 10 ms
Isolation between PLC ground and the commons of the connected outputs	2 kV
Isolation between outputs	2 kV
Number of operations guaranteed	800 000 (AC) 500 000 (DC)
Conformity with the IEC 65A 15 AC curve For a current of 1 A	
Operating temperature	5 to 55°C
Storage temperature	-25 + 70°C
Relative humidity - operating and storage	≤ 90 % no condensation
Weight	~ 1 kg
Dimensions	160 x 242 x 34 mm
Standards	IEC 65A NFC 63850

Use in programming mode

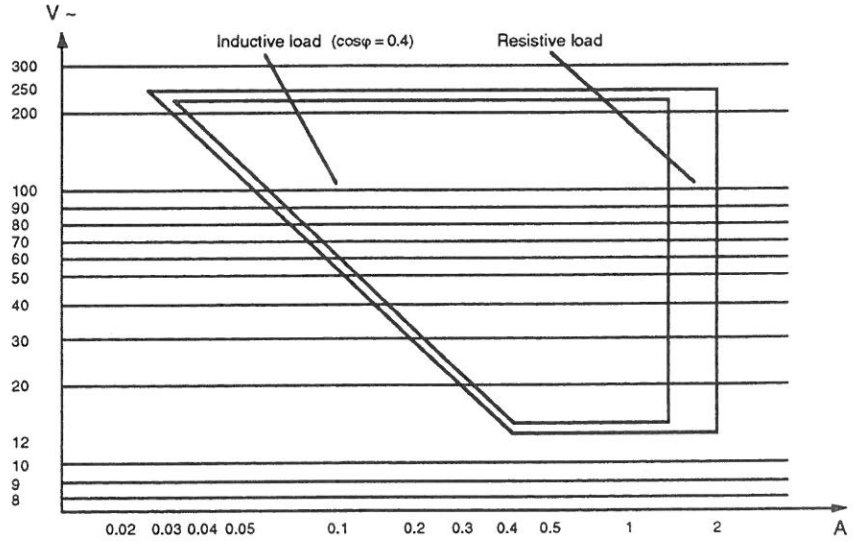
The module transmits discrete or numeric data to the process.
The discrete output is identified by %QXn (Output).

n =

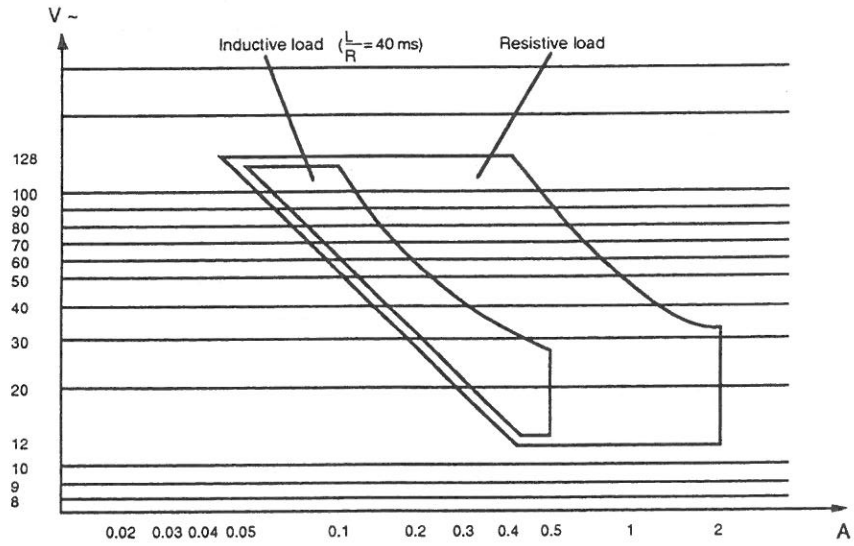
rack n°	n° of slot	n° of outputs
0 CPU rack 1 extension rack 3000	in the rack 1 to 8	in the module 00 to 15

Example : rack 0, slot 2, output 6 → %QX206
Programming numeric outputs : see ORPHEE manual. Part B.

AC operating zone



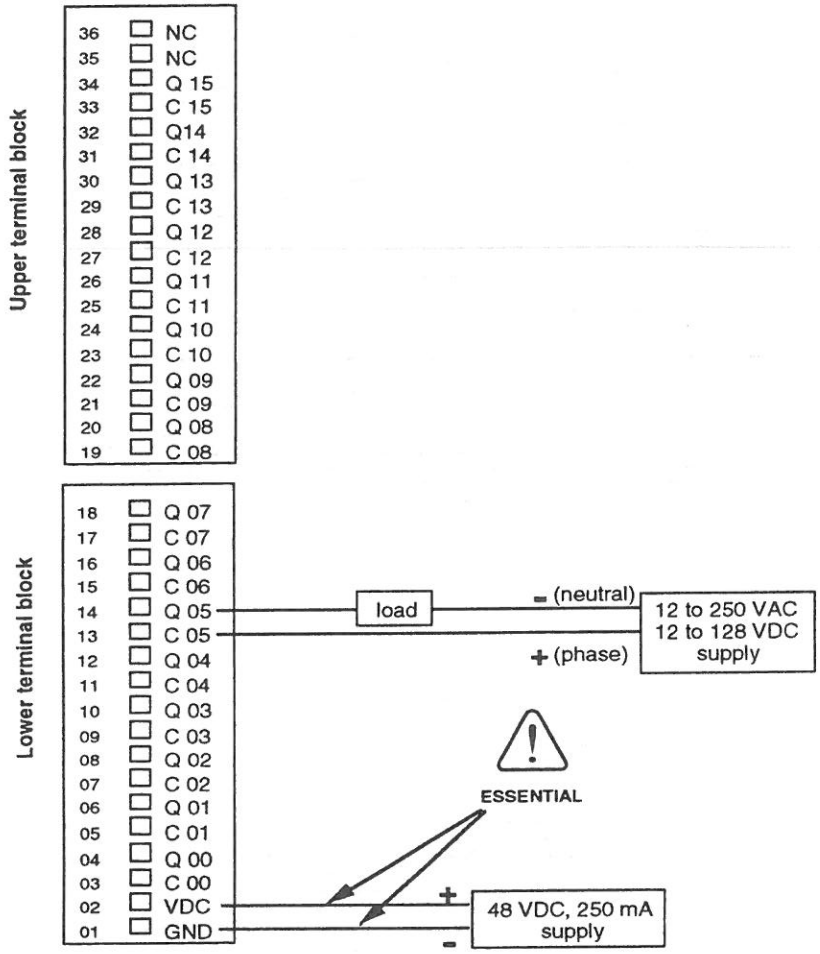
DC operating zone



B

Connection, power supply

Wire cross section : 0.5 to 2.5mm²



External power supply

The presence of this power supply is not monitored.
The terminal block must not be disconnected if the sensor power supply is still live.