



DIN-RAIL OUTPUT UNIT

FUNCTION

The DIN-Rail Output Unit provides a voltage-free, single pole, change-over relay output.

FEATURES

The DIN-Rail Output Unit returns an analogue value of 16 under all conditions.

The change-over contact is operated by a software command from the panel.

ELECTRICAL CONSIDERATIONS

The DIN-Rail Output Unit is loop powered and operates at 17–28V DC with protocol voltage pulses of 5–9V.

PROTOCOL COMPATIBILITY

The unit will operate only with control equipment using the Apollo XP95 or Discovery protocol.

MECHANICAL CONSTRUCTION

The DIN-Rail Output Unit is supplied in a standard housing which is clipped onto a standard 35mm DIN rail (DIN 46277) or fixed directly to the enclosure using two 4mm screws.

Connections are made via plug-in terminal blocks which accept wires up to 2.5mm².

One red LED is visible through the top cover of the enclosure. This LED is illuminated to indicate that the relay is set. The LED can be disabled, by means of the DIL switch, to reduce loop current.



Part no. 55000-804

Dimensions and weight of DIN-Rail Output Unit:
110 x 107 x 20mm 90g

Two DIN-Rail enclosures are available:
4 way 29600-239
10 way 29600-240



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LOW VOLTAGE DIRECTIVE 73/23/EEC

No electrical supply greater than 50V AC rms or 75V DC should be connected to any terminal of this Output Unit.

EMC DIRECTIVE 89/336/EEC

The DIN-Rail Output Unit complies with the essential requirements of the EMC directive 89/336/EEC, provided that it is used as described in this PIN sheet and that the contact is not operated more than five times a minute or twice in any two seconds.

A copy of the Declaration of Conformity is available from Apollo on request.

Conformity of the DIN-Rail Output Unit with the EMC directive does not confer compliance with the directive on any apparatus or systems connected to it.

Technical Data

| | |
|-------------------------------------|--------------------------|
| Loop voltage | 17-28V DC |
| Maximum current consumption, at 24V | |
| switch-on surge, max 100ms | 3mA |
| quiescent | 720µA |
| relay operated (LED enabled) | 3.3mA |
| relay operated (LED disabled) | 720µA |
| Maximum cable resistance | 50Ω |
| Relay output contact rating | |
| at 30V AC or DC, max | 1A |
| | (inductive or resistive) |
| Relay output wetting current | |
| at 10mV DC | 10µA |
| Operating temperature | -20°C to +70°C |
| Humidity (no condensation) | 0-95% |
| Shock | } to EFGS/F/95/007 |
| Vibration | |
| Impact | |
| IP rating | 20 |
| Radiated emissions | to BS EN 50081-1 & 2 |
| Radiated immunity | to BS EN 50082-1 |

For further technical information please refer to PP2046-T, available on request.

Dimensional Drawing (mm)

