Module carriers

4-module carrier

◆ *32-slot address bus**

◆ *accepts up to four I/O modules and field terminals*

◆ *printed wiring board*

◆ *rugged polycarbonate moulding*

◆ *DIN rail or panel mounting*

◆ *carries control signals and data on Railbus*

◆ *distributes DC power to modules*

◆ *distributes Bussed Field Power to modules*

◆ *isolated earthing bar for cable screens/shields*

CARRIER SPECIFICATION
See also System Specification

HAZARDOUS AREA APPROVALS

Location of node
.........Class 1, Div 2, Groups A, B, C, D T4 hazardous location or
......Zone 2, IIC T4 hazardous location

Location of field wiring ....As node
Field terminals accepted.....................General purpose, 2/2
I/O modules accepted .... General purpose, 2/2

ELECTRICAL

Railbus connectors...................................female in, male out
Module address range..1–32
Bussed field power supply (optional)
An 8-pin connector is provided at the top rear of the carrier to connect power supplies for 'field power'. Such supplies are routed through certain I/O module to provide power to field circuits.

MATERIALS

Carrier moulding......................Modified poly-phenylene oxide
Printed wiring board...........Epoxy resin woven glass laminate

ENVIRONMENTAL

Ambient temp
Operating ....– 40°C to + 70°C
Storage...– 40°C to + 85°C
Relative Humidity ....5 to 95% RH (non-condensing)
Vibration and Shock.................See System specification sheet

MECHANICAL

Dimensions...............................178 (w) x 170 (d) x 22 (h) mm
Weight ....350 g
Mounting methods ....Flat panel or DIN rail
DIN-rail types
........'Top hat' 35 x 7.5 mm rail or 35 x 15 mm rail to EN 50022
....G-section rail to EN 50035

BUSSED FIELD POWER CONNECTIONS

1 2 3 4 5 6 7 8
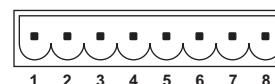
Terminal		Bussed Field Power
1	}	I/O Modules 1 & 2
2		–ve (or Neutral)
3	}	I/O Modules 1 & 2
4		+ve (or Live)
5	}	I/O Modules 3 & 4
6		+ve (or Live)
7	}	I/O Modules 3 & 4
8		–ve (or Neutral)

* *Must not be mixed with 64-slot address bus carriers*