

## 8-module carrier - extended addressing

8709-CA-08

- ◆ 64-slot address bus\*
- ◆ accepts up to eight 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 carrier

.....Class 1, Div 2, Groups A, B, C, D T6 hazardous location or  
 .....Zone 2, IIC T6 hazardous location

**Location of field wiring** .....As carrier

**Field terminals accepted** .....General purpose, 2/2

**I/O modules accepted** ..... General purpose, 2/2

#### Applicable standards:

- ◆ Factory Mutual Research Co., Class No. 3611 for Class I, Division 2, Groups A, B, C, D hazardous locations
- ◆ CSA Std C22.2 No. 213 for Class I, Division 2, Groups A, B, C, D hazardous locations
- ◆ ATEX Category 3 (for Zone 2 installation) to EN50021:1999 protection type 'n'

### ELECTRICAL

**Railbus connectors** .....female in, male out

**Module address range** .....1-64

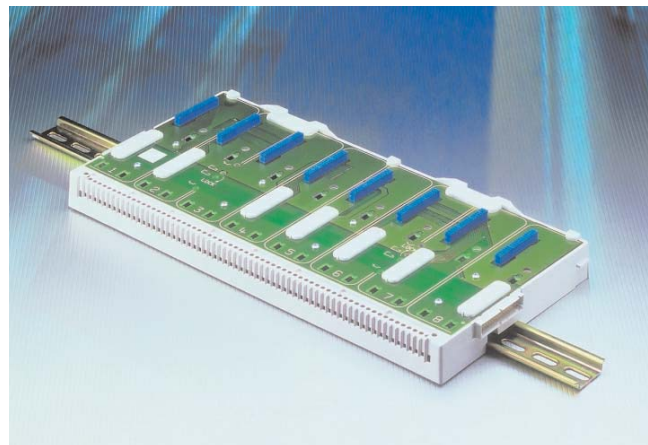
#### Bussed field power supply (optional)

Two 8-pin connectors are provided at the top rear of the carrier to connect power supplies for 'field power'. These supplies are routed through I/O modules that require power for their 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

### MECHANICAL

**Dimensions** .....342 (w) x 170 (d) x 22 (h) mm

**Weight** .....680 g

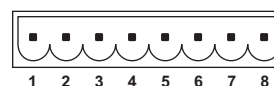
**Mounting methods** .....Flat panel or DIN rail

#### 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



Terminal	Function
1	I/O modules 1 & 2 -ve (or Neutral)
2	
3	I/O modules 1 & 2 +ve (or Live)
4	
5	I/O modules 3 & 4 +ve (or Live)
6	
7	I/O modules 3 & 4 -ve (or Neutral)
8	

Note: A second connector uses the same pin assignments for modules 5 & 6 and 7 & 8.

\* For use only with 8521-XX-XX controller/EBIM, and cannot be mixed with 32-slot address carriers



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