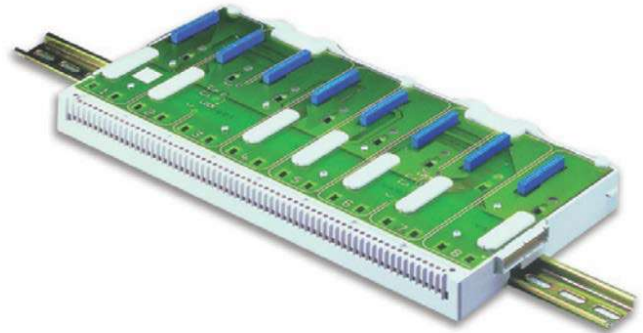




Module carriers 2/2

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

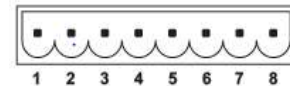
Mounting methods

- 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		Bussed Field Power
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