

# PM581-ETH-V14x



PM581-ETH:AC500,Prog.Logic Contr.256kB

## General Information

|                       |                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------|
| Extended Product Type | PM581-ETH-V14x                                                                                    |
| Product ID            | 1SAP140100R0270                                                                                   |
| ABB Type Designation  | PM581-ETH                                                                                         |
| EAN                   | 4016779711562                                                                                     |
| Catalog Description   | PM581-ETH:AC500,Prog.Logic Contr.256kB                                                            |
| Long Description      | PM581-ETH:AC500,Prog.Log.Controller 256kB 24VDC,ETHERNET,2xRS232/485,FBP SD-Card Slot,LCD Display |

## Additional Information

|                                    |                                                                                                                                                                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ABB Type Designation               | PM581-ETH                                                                                                                                                                |
| ABS Certificate                    | 1SAA960002-0106                                                                                                                                                          |
| Ambient Air Temperature            | Operation 0 ... +60 °C<br>Storage -40 ... +70 °C                                                                                                                         |
| BV Certificate                     | 1SAA960003-0204                                                                                                                                                          |
| CN8                                | 85389091                                                                                                                                                                 |
| CS31-Bus                           | 1                                                                                                                                                                        |
| CSA Certificate                    | 1SAA960000-1712                                                                                                                                                          |
| Communication                      | Serial and Ethernet interfaces for communication and programming                                                                                                         |
| Communication Interface            | Serial/FBP/Ethernet                                                                                                                                                      |
| Communication Speed                | Speed for 1000 instructions of Logic = 0.05 0.05 ms<br>Speed for 1000 instructions of Word = 0.05 0.06 ms<br>Speed for 1000 instructions of Floating-point = 0.5 0.50 ms |
| Country of Origin                  | Germany (DE)                                                                                                                                                             |
| Customs Tariff Number              | 85389091                                                                                                                                                                 |
| DNV Certificate                    | 1SAA960002-0306                                                                                                                                                          |
| Data Sheet, Technical Information  | 2CDC125002B0207                                                                                                                                                          |
| Declaration of Conformity - C-Tick | 1SAA960000-3302                                                                                                                                                          |
| Declaration of Conformity - CE     | 1SAD938504-0161                                                                                                                                                          |
| Declaration of Conformity - KCC    | 1SAA960001-4801                                                                                                                                                          |
| Degree of Protection               | IP20                                                                                                                                                                     |
| Display Type                       | LCD                                                                                                                                                                      |
| EAN                                | 4016779711562                                                                                                                                                            |
| EPLAN Catalog Tree                 | Electrical engineering / PLC / General                                                                                                                                   |
| Environmental Information          | 1SAA960007-2406                                                                                                                                                          |
| Fieldbus Interface Type            | Ethernet TCP/IP                                                                                                                                                          |
| GL Certificate                     | 1SAA960004-0409                                                                                                                                                          |

|                                        |                                                                                    |
|----------------------------------------|------------------------------------------------------------------------------------|
| GOST Certificate                       | 1SAA962000-2703                                                                    |
| Gross Weight                           | 0.2 kg                                                                             |
| I/O Option                             | CPU with Local IO - on I/O-Bus                                                     |
| Instructions and Manuals               | 2CDC125080M0202                                                                    |
| Invoice Description                    | PM581-ETH:AC500,Prog.Logic Contr.256kB                                             |
| LR Certificate                         | 1SAA960002-0506                                                                    |
| Made To Order                          | No                                                                                 |
| Maximum Number of Analog I/Os          | 160AI, 160AO Local, max. 10 expansion modules                                      |
| Maximum Number of Digital I/Os         | 320DI, 240DO/DC Local, max. 10 expansion modules                                   |
| Maximum Operating Altitude Permissible | 2000 m                                                                             |
| Memory Size User Data                  | 416 kB                                                                             |
| Memory Size User Program               | 256 kB                                                                             |
| Memory Type User Data                  | Flash EPROM                                                                        |
| Memory Type User Program               | Flash EPROM, non-volatile RAM, SD Card                                             |
| Minimum Order Quantity                 | 1 piece                                                                            |
| Mounting Position                      | Horizontal, Vertical possible with derating                                        |
| Mounting on DIN Rail                   | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715                               |
| Number of Display Lines                | 1                                                                                  |
| Number of Function Keys                | 8                                                                                  |
| Number of LEDs                         | 3                                                                                  |
| Order Multiple                         | 1 piece                                                                            |
| Power Supply                           | 24 V DC                                                                            |
| Primary Voltage                        | 24 V DC                                                                            |
| Product Depth                          | 72 mm                                                                              |
| Product Main Type                      | PM581                                                                              |
| Product Name                           | Distributed Automation PLCs                                                        |
| Product Net Height                     | 76 mm                                                                              |
| Product Net Length                     | 62 mm                                                                              |
| Product Net Weight                     | 0.15 kg                                                                            |
| Product Net Width                      | 67.5 mm                                                                            |
| Product Type                           | PLC-AC500                                                                          |
| Programming Software                   | PS501-PROG Control Builder Plus                                                    |
| Quote Only                             | No                                                                                 |
| RINA Certificate                       | 1SAA960003-0807                                                                    |
| RMRS Certificate                       | 1SAA960001-0706                                                                    |
| Real-time Clock                        | Yes                                                                                |
| Replaced Product ID (OLD)              | 1SAP140100R0170                                                                    |
| RoHS Date                              | 1101                                                                               |
| RoHS Information                       | 1SAA960005-4410                                                                    |
| RoHS Status                            | Following EU Directive 2002/95/EC August 18, 2005 and amendment                    |
| Secondary Current                      | 0.2 A                                                                              |
| Selling Unit of Measure                | piece                                                                              |
| Serial Port 1 Type                     | RS232 / RS485 configurable, Programing, Modbus Master or slave, ASCII, CS31 Master |
| Serial Port 2 Type                     | RS232 / RS485 configurable, Programing, Modbus Master or slave, ASCII              |
| Short Description                      | PM581-ETH:AC500,Prog.Log.Controller 256kB                                          |
| Stocked At (Warehouses)                | Central Stock Europe<br>SGRDC002EXPU<br>SGIND002EXPU<br>AUABB024EXPU               |
| Supply Voltage                         | 24 V DC                                                                            |
| UL Certificate                         | 1SAA960000-1612                                                                    |

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| WEEE B2C / B2B    | Business To Business                                       |
| WEEE Category     | 5. Small Equipment (No External Dimension More Than 50 cm) |
| cUL Certificate   | 1SAA960000-1712                                            |
| cULus Certificate | 1SAA960000-1712                                            |

Categories

PLC Automation → Programmable Logic Controllers PLCs → AC500 → CPUs

