

PRODUCT-DETAILS

# PM590-ETH

## PM590-ETH:AC500,Prog.Log.Controller 2MB



### General Information

Extended Product Type	PM590-ETH
Product ID	1SAP150000R0271
ABB Type Designation	PM590-ETH
EAN	4016779711647
Catalog Description	PM590-ETH:AC500,Prog.Log.Controller 2MB
Long Description	PM590-ETH:AC500,Prog.Log.Controller 2MB 24VDC,ETHERNET,2xRS232/485,FBP SD-Card Slot,LCD Display

### Additional Information

ABB Type Designation	PM590-ETH
Ambient Air Temperature	Operation 0 ... +60 °C Storage -40 ... +70 °C
CN8	85389091
CS31-Bus	1
Communication	Serial and Ethernet interfaces for communication and programming
Communication Interface	Serial/FBP/Ethernet
Controller Processing Time	0.000002 ms
Country of Origin	Germany (DE)
Customs Tariff Number	85389091

Degree of Protection	IP20
Display Type	LCD
EAN	4016779711647
EPLAN Catalog Tree	Electrical engineering / PLC / General
ETIM 7	EC000236 - PLC CPU-module
ETIM 8	EC000236 - PLC CPU-module
Fieldbus Interface Type	Onboard Ethernet TCP/IP
Gross Weight	0.162 kg
I/O Option	CPU with Local IO - on I/O-Bus
Invoice Description	PM590-ETH:AC500,Prog,Log,Controller 2MB
Made To Order	No
Maximum Number of Analog I/Os	160 AI, 160 AO local max. 10 extension modules
Maximum Number of Digital I/Os	320 DI, 240 DO/DC local max. 10 extension modules
Maximum Operating Altitude Permissible	2000 m
Maximum Order Quantity	50 piece
Memory Size	5120 kB
Memory Size User Data	3072 kB
Memory Size User Program	2048 kB
Memory Type User Data	RAM
Memory Type User Program	Flash EPROM, non-volatile RAM, SD Card
Minimum Order Quantity	1 piece
Model Number	Modular
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 Digital Configurable I/Os	0
Number of Display Lines	1
Number of Function Keys	8
Number of Hardware Interfaces	Industrial Ethernet 1 Other 2 Parallel 0 RS-232 0 RS-422 0 RS-485 0 Serial TTY 0 USB 0 Wireless 0
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	PM590
Product Name	Distributed Automation PLCs
Product Net Height	76 mm
Product Net Length	62 mm
Product Net Weight	0.137 kg

Product Net Width	67,5 mm
Product Type	PLC-AC500
Programming Software	Automation Building
Quote Only	No
Real-time Clock	Yes
SCIP	bd1bd6d9-6ee8-4b40-b648-387ea940495d Germany (DE)
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	PM590-ETH:AC500,Prog,Log,Controller 2MB
Stocked At (Warehouses)	Menden, Germany Wickliffe, Ohio, United States Singapore, Singapore Hangzhou, China
Supply Voltage	24 ... 24 V DC
UNSPSC	32151705
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
eClass	27-24-22-07

### Where Used (as part of "kit")

Identifier	Description	Type
1SAP150000R0379	PM590-MC-KIT:AC500, Machine Control, Kit	Kit

### Categories

PLC Automation → Programmable Logic Controllers PLCs → AC500 → CPUs



