


# SIMATIC ET 200SP HA, SIMATIC ET 200SP and SIMATIC ET 200MP differentiation characteristics

## Performance class/category

 Premium

 Extended

 Standard

**SIMATIC  
ET 200SP HA**

**SIMATIC  
ET 200SP**

**SIMATIC  
ET 200MP**

## Availability

### PROFINET redundancy

Single system redundancy (S2)		X	X	X
Redundant system redundancy (R1)		X	planned in TIA Portal V18	planned in TIA Portal V18

### Changeability in Run

Hot swapping for I/O modules		X	X	X
Configuration in Run		X		

### I/O module redundancy



I/O side-by-side redundancy		X		
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## Robustness

### Operation temperature range

-20 to +50°C		X	X	X
-30 to +60°C		X	X	X
-40 to +70°C		X	SIPLUS	SIPLUS

### Protection against harsh environment (corrosive gases, condensation, dust, sand etc.)

Standard		X	X	X
Coating		X	SIPLUS	SIPLUS
Conformal coating 3C4			SIPLUS	SIPLUS

## Ex protection of I/O modules

### Location of sensors/actuators

no Ex protection		X	X	X
up to Ex-Zone 2		X	X	X
Ex-Zone 1/0		X	X	

## Channel density per module

### Channel density

up to 16 channels / module		X	X	X
up to 32 channels / module		X		X
up to 64 channels / module				X

## Footprint






Standard		X	X	X
Compact			X	

## Installation enclosure (intallation depth)

### Installation enclosure

Central 19-inch rack		X	X	X
Field enclosure		X	X	X
Compact field enclosure			X	

## Functional range

Standard I/O		X	X	X
Failsafe I/O		X	X	X
HART		X	X	planned in TIA Portal V18
Special I/O (Motorstarter, Dali, ECC, Siwarex, Modbus, etc.)		X	X	
MultiFieldbus interface module			X	

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	SIMATIC ET 200SP HA	SIMATIC ET 200SP	SIMATIC ET 200MP
<b>Engineering tools support</b>			
SIMATIC PCS 7	X	X <sup>2)</sup>	X <sup>3)</sup>
SIMATIC PCS neo	X <sup>1)</sup>	X <sup>2)</sup>	
TIA Portal	X <sup>1)</sup>	X	X
Step 7	X	X	X

<sup>1)</sup> selected functions are approved for SIMATIC PCS neo and TIA Portal, more details in functional overview SIMATIC ET 200SP HA

<https://support.industry.siemens.com/cs/ww/en/view/109782701>

<sup>2)</sup> selected modules are approved for SIMATIC PCS 7 and SIMATIC PCS neo, see:

<https://support.industry.siemens.com/cs/ww/en/view/109800496>

for SIMATIC PCS 7

<https://support.industry.siemens.com/cs/ww/en/view/109801694>

for SIMATIC PCS neo

<sup>3)</sup> available on request

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Digital Industries  
DI FA S MP  
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90475 Nuremberg  
Germany

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Siemens Industry Inc.  
100 Technology Drive  
Alpharetta, GA 30005  
United States

For more information, please contact  
our Customer Support Center.  
Phone: +49 180 524 70 00  
Fax: +49 180 524 24 71  
(Charges depending on provider)  
E-mail: [support.industry@siemens.com](mailto:support.industry@siemens.com)

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