





























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	with 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		
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 V19
Special I/O (Motorstarter, Dali, ECC, Siwarex, Modbus, etc.)		X	X	
MultiFieldbus interface module			X	

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

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

¹⁾ 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>

²⁾ 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

³⁾ project specific solution available on request

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