

Safety-related automation systems for the expanded temperature range (XTR)

	Article No.						
AS 410F (Single Station)	6ES7654-						
CPU 410-5H with PROFIBUS DP and PROFINET IO interface		C		0	-		F
32 MB RAM (16 MB each for program and data)							
with SIMATIC PCS 7 AS Runtime license for 100 POs and SIMATIC PCS 7 Industry Library Runtime license							
Type of delivery							
• Individual components, not pre-assembled	5						
• Pre-assembled and tested	6						
System expansion card							
• System expansion card 100 PO including S7 F Systems Runtime License		A					
• System expansion card 500 PO including S7 F Systems Runtime License		C					
• System expansion card 1 000 PO including S7 F Systems Runtime License		E					
• System expansion card 1 600 PO including S7 F Systems Runtime License		F					
• System expansion card PO 2k+ (≥ 2 000) including S7 F Systems Runtime License		G					
• System expansion card 0 PO (empty) including S7 F Systems Runtime License		H					
Additive Industrial Ethernet interfaces							
• Without CP 443-1				0			
Racks							
• UR2 XTR (9 slots), aluminium ¹⁾						3	
• CR3 XTR, 4 slots ²⁾						7	
Power supply (without backup batteries)							
• 1 × PS 407, 4 A XTR for UC 120/230 V							A
• 1 × PS 407, 10 A XTR for UC 120/230 V, opt. redundancy							C
• 2 × PS 407, 10 A XTR for UC 120/230 V, redundant							E
• 1 × PS 405, 4 A XTR for DC 24 V							F
• 1 × PS 405, 10 A XTR for DC 24 V, optional redundancy							H
• 2 × PS 405, 10 A XTR for DC 24 V, redundant							K
Additive PROFIBUS DP interfaces							
• Without CP 443-5 Extended							0

¹⁾ only in conjunction with 10 A power supplies

²⁾ only in conjunction with 4 A power supplies

	Article No.						
AS 410FH (Redundancy Station)	6ES7656-						
2 × CPU 410-5H with PROFIBUS DP and PROFINET IO interface		C			-		F
32 MB RAM (16 MB each for program and data)							
with SIMATIC PCS 7 AS Runtime license for 100 POs and SIMATIC PCS 7 Industry Library Runtime license							
Type of delivery							
• Individual components, not pre-assembled	5						
• Pre-assembled and tested	6						
System expansion card							
• 2 × System expansion card 100 PO including S7 F Systems Runtime License		A					
• 2 × System expansion card 500 PO including S7 F Systems Runtime License		C					
• 2 × System expansion card 1 000 PO including S7 F Systems Runtime License		E					
• 2 × System expansion card 1 600 PO including S7 F Systems Runtime License		F					
• 2 × System expansion card PO 2k+ (≥ 2 000) including S7 F Systems Runtime License		G					
• 2 × System expansion card 0 PO (empty) including S7 F Systems Runtime License		H					
Sync modules and cables							
• 2 × 2 Sync-Module V8 XTR for distances up to 10 m and 2 × FO sync cable, 1 m			3				
Additive Industrial Ethernet interfaces							
• Without CP 443-1				0			
Racks							
• UR2-H XTR (2 × 9 slots), aluminium ¹⁾							1
• UR2 XTR (9 slots), aluminium ¹⁾							3
• CR3 XTR, 4 slots ²⁾							7
Power supply (without backup batteries)							
• 2 × PS 407, 4 A XTR for UC 120/230 V							A
• 2 × PS 407, 10 A XTR for UC 120/230 V, opt. redundancy							C
• 2 × 2 PS 407, 10 A XTR for UC 120/230 V, redundant							E
• 2 × PS 405, 4 A XTR for DC 24 V							F
• 2 × PS 405, 10 A XTR for DC 24 V, optional redundancy							H
• 2 × 2 PS 405, 10 A XTR for DC 24 V, redundant							K
Additive PROFIBUS DP interfaces							
• Without CP 443-5 Extended							0

¹⁾ only in conjunction with 10 A power supplies

²⁾ only in conjunction with 4 A power supplies

Safety-related automation systems with Conformal Coating

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CPU 410-5H with PROFIBUS DP and PROFINET IO interface		C		0	-		F
32 MB RAM (16 MB each for program and data)							
with SIMATIC PCS 7 AS Runtime license for 100 POs and SIMATIC PCS 7 Industry Library Runtime license							
Type of delivery							
• Individual components, not pre-assembled	5						
• Pre-assembled and tested	6						
System expansion card							
• System expansion card 100 PO including S7 F Systems Runtime License		A					
• System expansion card 500 PO including S7 F Systems Runtime License		C					
• System expansion card 1 000 PO including S7 F Systems Runtime License		E					
• System expansion card 1 600 PO including S7 F Systems Runtime License		F					
• System expansion card PO 2k+ (≥ 2 000) including S7 F Systems Runtime License		G					
• System expansion card 0 PO (empty) including S7 F Systems Runtime License		H					
Additive Industrial Ethernet interfaces¹⁾							
• Without CP 443-1				0			
• 1 × CP 443-1				3			
• 2 × CP 443-1				4			
Racks							
• UR2 XTR (9 slots), aluminium ²⁾						3	
• CR3 XTR, 4 slots ³⁾						7	
Power supply^{2/3)}							
• 1 × PS 407, 4 A XTR for UC 120/230 V							A
• 1 × PS 407, 10 A XTR for UC 120/230 V, opt. redundancy							C
• 2 × PS 407, 10 A XTR for UC 120/230 V, redundant							E
• 1 × PS 405, 4 A XTR for DC 24 V							F
• 1 × PS 405, 10 A XTR for DC 24 V, optional redundancy							H
• 2 × PS 405, 10 A XTR for DC 24 V, redundant							K
Additive PROFIBUS DP interfaces¹⁾							
• Without CP 443-5 Extended							0
• 1 × CP 443-5 Extended							1
• 2 × CP 443-5 Extended							2
• 3 × CP 443-5 Extended							3
• 4 × CP 443-5 Extended							4

¹⁾ In configurations with UR2 racks, up to 5 CPs (Industrial Ethernet/PROFIBUS) can be configured with a single power supply, or up to 3 CPs with a redundant power supply

²⁾ With the use of UR2 racks, only 10 A power supplies can be configured.

³⁾ With the use of CR3 racks, only 4 A power supplies can be configured.

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• 2 × System expansion card 0 PO (empty) including S7 F Systems Runtime License		H					
Sync modules and cables							
• 2 × 2 Sync-Module V8 XTR for distances up to 10 m and 2 × FO sync cable, 1 m			3				
Additive Industrial Ethernet interfaces¹⁾							
• Without CP 443-1				0			
• 2 × 1 CP 443-1				3			
• 2 × 2 CP 443-1				4			
Racks							
• UR2-H XTR (2 × 9 slots), aluminium ²⁾							1
• UR2 XTR (9 slots), aluminium ²⁾							3
• CR3 XTR, 4 slots ³⁾							7
Power supply^{2/3)}							
• 2 × PS 407, 4 A XTR for UC 120/230 V							A
• 2 × PS 407, 10 A XTR for UC 120/230 V, opt. redundancy							C
• 2 × 2 PS 407, 10 A XTR for UC 120/230 V, redundant ¹⁾							E
• 2 × PS 405, 4 A XTR for DC 24 V							F
• 2 × PS 405, 10 A XTR for DC 24 V, optional redundancy							H
• 2 × 2 PS 405, 10 A XTR for DC 24 V, redundant ¹⁾							K
Additive PROFIBUS DP interfaces¹⁾							
• Without CP 443-5 Extended							0
• 2 × 1 CP 443-5 Extended							1
• 2 × 2 CP 443-5 Extended							2
• 2 × 3 CP 443-5 Extended							3
• 2 × 4 CP 443-5 Extended							4

¹⁾ In configurations with UR2/UR2-H racks, up to 5 CPs (Industrial Ethernet/PROFIBUS) can be configured with a single power supply, or up to 3 CPs with a redundant power supply

²⁾ With the use of UR2 racks, only 10 A power supplies can be configured.

³⁾ With the use of CR3 racks, only 4 A power supplies can be configured.