

Fault-tolerant automation systems for the expanded temperature range (XTR)

	Article No.									
AS 410H (Redundancy Station)	6ES7656-									
2 x CPU 410-5H with PROFIBUS DP and PROFINET IO interface										
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 x System expansion card 100 PO			J							
• 2 x System expansion card 500 PO			L							
• 2 x System expansion card 1 000 PO			N							
• 2 x System expansion card 1 600 PO			P							
• 2 x System expansion card PO 2k+ (≥ 2 000)			Q							
• 2 x System expansion card 0 PO (empty)			R							
Sync modules and cables										
• 2 x 2 Sync-Module V8 XTR for distances up to 10 m and 2 x FO sync cable, 1 m				3						
Additive Industrial Ethernet interfaces										
• Without CP 443-1					0					
Racks										
• UR2-H XTR (2 x 9 slots), aluminium ¹⁾									1	
• UR2 XTR (9 slots), aluminium ¹⁾									3	
• CR3 XTR, 4 slots ²⁾									7	
Power supply (without backup batteries)										
• 2 x PS 407, 4 A XTR for UC 120/230 V										A
• 2 x 2 PS 407, 10 A XTR for UC 120/230 V, opt. redundancy										C
• 2 x 2 PS 407, 10 A XTR for UC 120/230 V, redundant										E
• 2 x PS 405, 4 A XTR for DC 24 V										F
• 2 x PS 405, 10 A XTR for DC 24 V, optional redundancy										H
• 2 x 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

Fault-tolerant automation systems with Conformal Coating

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AS 410H (Redundancy Station)	6ES7656-									
2 x CPU 410-5H with PROFIBUS DP and PROFINET IO interface										
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									
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System expansion card										
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• 2 x System expansion card 1 600 PO			P							
• 2 x System expansion card PO 2k+ (≥ 2 000)			Q							
• 2 x System expansion card 0 PO (empty)			R							
Sync modules and cables										
• 2 x 2 Sync-Module V8 XTR for distances up to 10 m and 2 x FO sync cable, 1 m					3					
Additive Industrial Ethernet interfaces¹⁾										
• Without CP 443-1						0				
• 2 x 1 CP 443-1						3				
• 2 x 2 CP 443-1						4				
Racks										
• UR2-H XTR (2 x 9 slots), aluminium ²⁾									1	
• UR2 XTR (9 slots), aluminium ²⁾									3	
• CR3 XTR, 4 slots ³⁾									7	
Power supply³⁾										
• 2 x PS 407, 4 A XTR for UC 120/230 V										A
• 2 x PS 407, 10 A XTR for UC 120/230 V, opt. redundancy										C
• 2 x 2 PS 407, 10 A XTR for UC 120/230 V, redundant1)										E
• 2 x PS 405, 4 A XTR for DC 24 V										F
• 2 x PS 405, 10 A XTR for DC 24 V, optional redundancy										H
• 2 x 2 PS 405, 10 A XTR for DC 24 V, redundant1)										K
Additive PROFIBUS DP interfaces¹⁾										
• Without CP 443-5 Extended										0
• 2 x 1 CP 443-5 Extended										1
• 2 x 2 CP 443-5 Extended										2
• 2 x 3 CP 443-5 Extended										3
• 2 x 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.