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Data sheet 6ES7590-0BH00-0AA0

SIMATIC S7-1500/ET 200MP, active backplane bus with 1 slot for the interface module and 8 slots for S7-1500 / ET 200MP I/O modules; hot swapping during operation; mounting rail and slot covers to be ordered separately



Figure similar

General information	
Product type designation	Active Backplane ST 1+8 Slot
HW functional status	from FS01
Firmware version	from V1.0.0
● FW update possible	Yes
Product function	
● I&M data	Yes; I&M0 to I&M3
● Isochronous mode	Yes
● Prioritized startup	Yes
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	V16 / V17
● STEP 7 configurable/integrated from version	V5.6 and higher
● PROFINET from GSD version/GSD revision	V2.35 / -
Power	
Power consumption from the backplane bus	2 W
Power loss	
Power loss, typ.	2 W
Hardware configuration	
Slots	
● Grid size	35 mm; Utilization of 25 mm-wide modules possible
● Number of slots	9
— of which for CPU, max.	1; for S7-1500H CPU with CPU firmware V3.1 or higher; interface modules up to V1.1.0 only (active backplane bus)
— of which for IM, max.	1
— of which for PS, max.	8; Max. 2 PS per station
— of which for IO/CM/CP/TM, max.	8
— of which for F-IO, max.	8
● Number of single-width slots, max.	8
Ambient conditions	
Ambient temperature during operation	
● horizontal installation, min.	-30 °C
● horizontal installation, max.	60 °C
● vertical installation, min.	-30 °C
● vertical installation, max.	40 °C
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	70 °C
Altitude during operation relating to sea level	

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● Installation altitude above sea level, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual

Dimensions	
Width	294 mm
Height	99 mm
Depth	14 mm

Weights	
Weight, approx.	246 g

Classifications

	Version	Classification
eClass	16	27-24-22-03
eClass	14	27-24-22-03
eClass	12	27-24-22-03
eClass	9.1	27-24-22-03
eClass	9	27-24-22-03
eClass	8	27-24-22-03
eClass	7.1	27-24-22-03
eClass	6	27-24-22-03
ETIM	10	EC000810
ETIM	9	EC000810
ETIM	8	EC000810
ETIM	7	EC000810
IDEA	4	3560
UNSPSC	15	32-15-17-04

Approvals / Certificates

General Product Approval

EG-Konf. UKCA UL RCM EAC

General Product Approval		For use in hazardous locations		
	Manufacturer Declaration	UL	FM	CCC-Ex

IECEx

For use in hazardous locations				Maritime application	
ATEX	Type Examination Certificate	Miscellaneous	CCC-Ex	ABS	BUREAU VERITAS

Maritime application

DNV	LRS	NK / Nippon Kaiji Kyokai	RINA	CCS (China Classification Society)	KR (Korean Register of Shipping)

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