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Data sheet 6ES7590-0BL00-0AA0

SIMATIC S7-1500 / ET 200MP; active backplane bus 12 slots for inserting S7-1500 I/O modules for hot swapping; for use in the ET 200MP with IM 155-5 PN HF (from FW V4.4.1); S7-1500 mounting rail and slot covers to be ordered separately



General information	
Product type designation	Active backplane ST 1+12 slot
HW functional status	FS01
Firmware version	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
● STEP 7 configurable/integrated from version	V5.6 and higher
● PROFINET from GSD version/GSD revision	V2.34 / -
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	13
— of which for CPU, max.	0
— of which for IM, max.	1
— of which for PS, max.	12; Max. 2 PS per station
— of which for IO/CM/CP/TM, max.	12
— of which for F-IO, max.	12
● Number of single-width slots, max.	12
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	
● Installation altitude above sea level, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Dimensions	

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Width	434 mm
Height	99 mm
Depth	14 mm

Weights

Weight, approx.	352 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

Manufacturer Declaration

General Product Approval

Manufacturer Declaration

For use in hazardous locations

FM

CCC-Ex

For use in hazardous locations

Type Examination Certificate

Miscellaneous

CCC-Ex

Maritime application

Maritime application

NK / Nippon Kaiji Kyokai

CCS (China Classification Society)

Maritime application

KR (Korean Register of Shipping)

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