SIEMENS

Data sheet 6ES7193-6BP40-0DA1



SIMATIC ET 200SP, BaseUnit BU15-P16+A0+12D/T, BU type A1, Push-in terminals, with 2x 5 add-on terminals, New load group, WxH: 15 mm x 141 mm, with temperature acquisition

General information	
Product type designation	BU type A1
HW functional status	FS10 and higher
Supply voltage	
Rated value (DC)	24 V
external protection for power supply lines	Yes; 24 V DC/10 A miniature circuit breaker with type B or C tripping characteristic
Current carrying capacity	
For P1 and P2 bus, max.	10 A
For process terminals, max.	2 A
Hardware configuration	
Additional terminals	Yes
Temperature sensor	Yes
Formation of potential groups	
● New potential group	Yes
● Potential group continued from the left	No
Slots	
● Number of slots	1; Type A1
Potential separation	
between the potential groups	Yes
Isolation	
Isolation tested with	707 V DC (type test)
Standards, approvals, certificates	
Ecological footprint	
● environmental product declaration	Yes
Global warming potential	
— global warming potential, (total) [CO2 eq]	1.09 kg
— global warming potential, (during production) [CO2 eq]	1.08 kg
— global warming potential, (during operation) [CO2 eq]	0 kg
— global warming potential, (after end of life cycle) [CO2 eq]	-0.0045 kg
Ambient conditions	
Ambient temperature during operation	
● horizontal installation, min.	-30 °C
● horizontal installation, max.	60 °C
● vertical installation, min.	-30 °C
● vertical installation, max.	50 °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
Absolute humidity	
● dew point, min.	-60 °C; suitable for dry room applications
Accessories	
Color coding labels	
● for process terminals	CC00 to CC09
● for AUX terminals	does not exist
● for add-on terminals	CC74
Connection method	
Terminals	
● Terminal type	Push-in terminal
● system-integrated shield connection	Yes; Optional
● Conductor cross-section, min.	0.14 mm²; AWG 26
● Conductor cross-section, max.	2.5 mm²; AWG 14
● Number of process terminals to I/O module	16
● Number of terminals to AUX bus	0
● Number of add-on terminals	2x5
● Number of terminals with connection to P1 and P2 bus	2
Dimensions	
Width	15 mm
Height	141 mm
Depth	35 mm
Weights	
Weight, approx.	50 g

Classifications

	Version	Classification
eClass	16	27-24-26-03
eClass	14	27-24-26-03
eClass	12	27-24-26-03
eClass	9.1	27-24-26-03
eClass	9	27-24-26-03
eClass	8	27-24-26-03
eClass	7.1	27-24-26-03
eClass	6	27-24-26-03
ETIM	10	EC001598
ETIM	9	EC001598
ETIM	8	EC001598
ETIM	7	EC001598
IDEA	4	3560
UNSPSC	15	32-15-17-04

Approvals / Certificates

General Product Approval

Manufacturer Declaration

General Product Approval | **For use in hazardous locations**

FM | CCC-Ex

For use in hazardous locations | **Maritime application**

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IECEx	Type Examination Certificate	Miscellaneous	CCC-Ex	ABS	BUREAU VERITAS

Maritime application					
DNV	LRS	NK / Nippon Kaiji Kyokai	RINA	RMRS	CCS (China Classification Society)

Maritime application	Environment
KR (Korean Register of Shipping)	EPD

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