## **SIEMENS**

Data sheet 6EP1436-3BA00



SITOP modular/3AC/DC24V/20A

SITOP modular 20 A stabilized power supply input: 400-500 V 3 AC output: 24 V DC/20 A

3-phase AC
400 V
500 V
320 V
550 V
Starting from Vin > 340 V
Yes
2.3 × Vin rated, 1.3 ms
6 ms
at Vin = 400 V
50/60 Hz
47 63 Hz
1.1 A
0.9 A
35 A
0.7 A <sup>2</sup> ·s
none
Required: 3-pole connected miniature circuit breaker 6 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489)
Controlled, isolated DC voltage
24 V
24 V
Yes; via potentiometer
24 28.8 V; max. 480 W
3 %
0.1 %
0.2 %
100 mV
200 mV
Green LED for 24 V OK

habanian of the autout with a suite of the	No everybook of Vout (ooft about)
behavior of the output voltage when switching on	No overshoot of Vout (soft start)
response delay maximum	2.5 s
voltage increase time of the output voltage	
• maximum	500 ms
output current	
rated value	20 A
rated range	0 20 A; +60 +70 °C: Derating 2%/K
supplied active power typical	480 W
short-term overload current	
<ul> <li>at short-circuit during operation typical</li> </ul>	60 A
duration of overloading capability for excess current	
at short-circuit during operation	25 ms
constant overload current	
on short-circuiting during the start-up typical	23 A
bridging of equipment	Yes; switchable characteristic
number of parallel-switched equipment resources for increasing	2
the power	
efficiency	
efficiency in percent	90 %
power loss [W]	
at rated output voltage for rated value of the output	53 W
current typical	
closed-loop control	
relative control precision of the output voltage with rapid	1 %
fluctuation of the input voltage by +/- 15% typical	
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	2 %
setting time	
load step 50 to 100% typical	4 ms
• load step 100 to 50% typical	4 ms
·	4 1113
setting time	10 mg
• maximum	10 ms
maximum     protection and monitoring	
maximum  protection and monitoring  design of the overvoltage protection	< 35 V
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof	< 35 V Yes
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection  • typical	< 35 V Yes
maximum      protection and monitoring      design of the overvoltage protection     property of the output short-circuit proof     design of short-circuit protection         • typical     enduring short circuit current RMS value	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection      typical  enduring short circuit current RMS value  typical	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A
maximum      protection and monitoring      design of the overvoltage protection     property of the output short-circuit proof     design of short-circuit protection         • typical     enduring short circuit current RMS value         • typical     display version for overload and short circuit	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection      • typical  enduring short circuit current RMS value      • typical  display version for overload and short circuit  safety	< 35 V  Yes  Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A  23 A  LED yellow for "overload", LED red for "latching shutdown"
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection      • typical  enduring short circuit current RMS value      • typical  display version for overload and short circuit  safety  galvanic isolation between input and output	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes
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maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection      typical  enduring short circuit current RMS value      typical  display version for overload and short circuit  safety  galvanic isolation between input and output  galvanic resource protection class	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
maximum      protection and monitoring      design of the overvoltage protection     property of the output short-circuit proof     design of short-circuit protection         • typical     enduring short circuit current RMS value         • typical     display version for overload and short circuit      safety     galvanic isolation between input and output     galvanic isolation     operating resource protection class  leakage current	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection      • typical  enduring short circuit current RMS value      • typical  display version for overload and short circuit  safety  galvanic isolation between input and output  galvanic isolation  operating resource protection class  leakage current      • maximum	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection      • typical  enduring short circuit current RMS value      • typical  display version for overload and short circuit  safety  galvanic isolation between input and output  galvanic isolation  operating resource protection class  leakage current      • maximum  protection class IP	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA
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maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection      • typical  enduring short circuit current RMS value      • typical  display version for overload and short circuit  safety  galvanic isolation between input and output  galvanic isolation  operating resource protection class  leakage current      • maximum  protection class IP  standard      • for emitted interference	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA IP20 EN 55022 Class B
maximum      protection and monitoring      design of the overvoltage protection     property of the output short-circuit proof     design of short-circuit protection         • typical     enduring short circuit current RMS value         • typical     display version for overload and short circuit      safety     galvanic isolation between input and output     galvanic isolation     operating resource protection class     leakage current         • maximum     protection class IP     standard         • for emitted interference         • for mains harmonics limitation	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA IP20 EN 55022 Class B EN 61000-3-2
maximum      protection and monitoring      design of the overvoltage protection     property of the output short-circuit proof     design of short-circuit protection         • typical     enduring short circuit current RMS value         • typical     display version for overload and short circuit      safety     galvanic isolation between input and output     galvanic isolation     operating resource protection class     leakage current         • maximum     protection class IP     standard         • for emitted interference         • for mains harmonics limitation         • for interference immunity	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA IP20 EN 55022 Class B EN 61000-3-2
● maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection  ● typical  enduring short circuit current RMS value  ● typical  display version for overload and short circuit  safety  galvanic isolation between input and output  galvanic isolation  operating resource protection class  leakage current  ● maximum  protection class IP  standard  ● for emitted interference  ● for mains harmonics limitation  ● for interference immunity  standards, specifications, approvals	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA IP20 EN 55022 Class B EN 61000-3-2
● maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection  ● typical  enduring short circuit current RMS value  ● typical  display version for overload and short circuit  safety  galvanic isolation between input and output  galvanic isolation  operating resource protection class  leakage current  ● maximum  protection class IP  standard  ● for emitted interference  ● for mains harmonics limitation  ● for interference immunity  standards, specifications, approvals  certificate of suitability	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection  • typical  enduring short circuit current RMS value  • typical  display version for overload and short circuit  safety  galvanic isolation between input and output  galvanic isolation  operating resource protection class  leakage current  • maximum  protection class IP  standard  • for emitted interference  • for mains harmonics limitation  • for interference immunity  standards, specifications, approvals  certificate of suitability  • CE marking	Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A  23 A  LED yellow for "overload", LED red for "latching shutdown"  Yes  Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178  Class I  3.5 mA  IP20  EN 55022 Class B  EN 61000-3-2  EN 61000-6-2  Yes  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)  Yes; UL-Listed (UL 508), File E197259, CSA (CSA C22.2 No. 14, CSA C22.2
maximum  protection and monitoring  design of the overvoltage protection  property of the output short-circuit proof  design of short-circuit protection  • typical  enduring short circuit current RMS value  • typical  display version for overload and short circuit  safety  galvanic isolation between input and output  galvanic isolation  operating resource protection class  leakage current  • maximum  protection class IP  standard  • for emitted interference  • for mains harmonics limitation  • for interference immunity  standards, specifications, approvals  certificate of suitability  • CE marking  • UL approval  • CSA approval	Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A  23 A  LED yellow for "overload", LED red for "latching shutdown"  Yes  Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178  Class I  3.5 mA  IP20  EN 55022 Class B  EN 61000-3-2  EN 61000-6-2  Yes  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)  Yes; UL-Listed (UL 508), File E197259, CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)
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maximum  protection and monitoring  design of the overvoltage protection property of the output short-circuit proof  design of short-circuit protection  • typical enduring short circuit current RMS value • typical display version for overload and short circuit  safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current • maximum  protection class IP standard • for emitted interference • for mains harmonics limitation • for interference immunity  standards, specifications, approvals  certificate of suitability • CE marking • UL approval • CSA approval • EAC approval • Regulatory Compliance Mark (RCM)	< 35 V Yes Alternatively, constant current characteristic approx. 23 A or latching shutdown 23 A 23 A LED yellow for "overload", LED red for "latching shutdown" Yes Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 Class I 3.5 mA IP20 EN 55022 Class B EN 61000-3-2 EN 61000-6-2 Yes Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1) Yes; UL-Listed (UL 508), File E197259, CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1) Yes Yes Yes
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spo of carification  MTE A 14 °C  ATTACA  MTE A 14 °C  ATTACA		
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certificate of suitability  IECEX  No ATEX  No Libration approval  CoSNus, Class 1, Division 2  No		711 213 h
• ACECE  • ATEX  • ATEX  • LUhazloc approval  • CSAus, Class 1, Division 2  • CSAus, Class 1, Division 2  • FM regalation  * ATTEX  * ATT		
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Ultimation approval Cascinary Class 1, Division 2 Cascinary Class 3 Cascinary Class 3 Cascinary Class 3 Cascinary Class 3 Cascinary Class 4 Cascinary Class 3 Cascinary Class 4 Cas	• IECEx	No
- CSALUS, Class 1, Division 2 - FM registrations, approval marins classification subjoined in account of the provided in account	• ATEX	No
** Fire Part Registration supprovals marino classification shipbulking approval space intention to shipbulking approval supprovals marino classification association ** American Bureau of Shipping Europe Ltd. (ABS)	ULhazloc approval	No
shabibulding approvals marine classifications shipbulding approvals marine classification association  American Bureau of Shipping Europe Ltd. (ABS) American Bureau of Shipping Europe Ltd. (ABS) Pee Norshamme classification scoley (RV) No Det Norske Vertias (DNV) Ludyds Register of Shipping (LRS) No standards, specifications, gpprovals Environmental Product Declaration Environmental Product Declaration	• cCSAus, Class 1, Division 2	No
shipbuliding approval  Marine classification association  - American Bureau of Shipping Europe Ltd. (ABS)  - French marine classification society (BV)  - Det Norske Verlats (DNV)  - Det Norske Verlats (DNV)  - Ullyds Register of Shipping (LRS)  Standards specifications, approvate Environmental Product Declaration  Environmental Product Declaration  Environmental Product Declaration  Environmental (CO2 eq)  - total  - during operation  - ulting tonaperature  - ulting operation  - ulting tonaperature  - ulting operation  - ulting tonaperature  - ulting storage  - 40485 °C  - environmental category according to IEC 60721  - ulting tonaperation  - ulting tonaperati	FM registration	No
Manne classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French manne classification society (BV)  • Det Norske Vertias (DNV)  • Lobyds Register of Shipping LRS)  **Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  **Environmental Product Declaration  **Orable Manne State (Cab R)  **Orable Manne Manne Manne  **Orable Manne Manne  **Orable Manne Manne  **Orable Manne  **Ora	standards, specifications, approvals marine classification	
American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BY) Loyds Register of Shipping (LRS) No standards, specifications, approvals Environmental Producet Declaration  Environmental Product Declaration  Environmental Product Declaration  Environmental Product Declaration  Frour Marine (Loyde Register of Shipping (LRS) No  Standards, specifications, approvals Environmental Producet Declaration  Environmental Product Declaration  Yes  Global Warming Potential (CO2 eq)  - (total - (to	shipbuilding approval	Yes
French marine classification society (BV) Det Norsky Veritas (DNV) Det Norsky Veritas (DNV) Standards, specifications, approvals Environmental Product Declaration Environmental Product Declaration  Ciobal Warning Potential (Co2 eq) Otatal O	Marine classification association	
Det Norske Veritise (DNV)  standards, specifications, approvals Environmental Produce Declaration  Environmental Produce Declaration  Oliobal Warming Potential (CO2 eq)  I 680 8 kg  I 6	<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
Loyds Register of Shipping (LRS)  Standards, specifications, approvals Environmental Product Declaration  Fervironmental Product Declaration  Ves  Clobal Warming Potential (CO2 eq)  • total  • during manufacturing  • during anarufacturing  • during operation • after end of life  • anabient temperature • during operation • during presention • during storage  environmental category according to IEC 60721  Climate class 3K3, 5, 95% no condensation  connection method  Vep of electrical connection • at input • for auxiliary contacts  • at output • for auxiliary contacts  mochanical data  Width * height * depth of the enclosure  Installation width * mounting height • loop • So mm • bottom • left • or presenting method • standard rail mounting • So mm • left • or graph and the mounting • So man outputing • So mm • bottom • left • or graph • So mm • bottom • left • or graph • So mm • bottom • or standard rail mounting • So rail mo	<ul> <li>French marine classification society (BV)</li> </ul>	No
Environmental Product Declaration  Environmental Product Declaration  Yes  (Slobal Warming Potential (CO2 eq)  • total  • during operation • during storage • environmental category according to IEC 60721 • Climate classa SK3, 5 95% no condensation  Connection method  Uppe of electrical connection • at input • at output • at output • at output • of a varialismy contacts • 160 × 125 × 125 mm  Installation width × mounting height • for auxiliary contacts	<ul><li>Det Norske Veritas (DNV)</li></ul>	Yes
Environmental Product Declaration Yes Global Warming Potential (CO2 eq)  • total • during manufacturing • during operation • after end of life • 0.45 kg  ambient temperature • during operation • during perature • during operation • during perature • during operation • during perature • during perature • during perature • during stratege • during stratege • during stratege • during operation • during stratege • during strat	Lloyds Register of Shipping (LRS)	No
Siciliar   State	standards, specifications, approvals Environmental Product Dec	claration
• total     • during manufacturing     • during operation     • after end of life     • during operation     • after end of life     • during operation     • during storage     • during storage     • during storage     • environmental category according to IEC 60721     Comnection method  Vipe of electrical connection     • at input     • at output     • bottom     • bottom     • bottom     • bottom     • bottom     • standard rail mounting     • So mm      • standard rail mounting     • So rail mo	Environmental Product Declaration	Yes
e during manufacturing during operation e after end of life 0.45 kg  ambient conditions  ambient temperature during operation during transport during storage environmental category according to IEC 60721  connection method  Vipe of electrical connection at input ent output ent output ent output ent output ent output ent output ent of wat waiter end of the enclosure installation width × mounting height required spacing electrical graph eleft entity eleft entity ent output ent weight ent output ent weight ent output ent weight electrical accessories electrical accessories electrical accessories electrical accessories electrical accessories electrical accessories electrical information ent weight ent output output output ent output output ent output ent output output ent output intormation intornet links ent oweb page: selection aid TIA Selection Tool ent owebsite: Industrial communication ent owebsite: CAx-Download-Manager ent output outpu	Global Warming Potential [CO2 eq]	
e during operation after end of life 0.45 kg anther end of life 0.45 kg and on end of life 1.40 kg and	• total	1 690.8 kg
antibent conditions  ambient temperature  during operation during transport during storage environmental category according to IEC 60721  connection method  type of electrical connection at a utiput at output for auxiliary contacts  mechanical data  with x height x depth of the enclosure installation width x mounting height eright or pethod eright or pethod every condition  standard rail mounting est and unding est 37 rail mounting est 37 rail mounting every mounting every electrical accessories electrical accessories electrical accessories further information every experience of the section rool every every electrical accessories every electrical accessories every experience of this sylvew semens, com/simalic-net every every experience of the properties of	during manufacturing	31.5 kg
ambient conditions  ambient temperature  • during operation • during transport • during storage  environmental category according to IEC 60721  connection method  type of electrical connection • at input • at output • for auxiliary contacts  machanical data  width × height × depth of the enclosure installation width × mounting height  required spacing • top • bottom • left • right • right • strandard ali mounting • sTrail mounting • sTrail mounting • sTrail mounting • wall mounting • to web page: selection aid TIA Selection Tool • to web page: selection aid TIA Selection Tool • to web stair: Indownal information  other information internet information  other informatio	during operation	1 658.4 kg
ambient temperature  • during operation  • during transport  • during storage  • environmental category according to IEC 60721  Climate class 3K3, 5 95% no condensation  connection method  type of electrical connection  • at input  • at output  • for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height  required spacing  • top  • bottom  • left  • gipt  • Sr rail mounting  • standard  • standard rail mounting  • wall mounting  • wall mounting  • wall mounting  • wall mounting  • to web page: selection aid TIA Selection Tool  • to web page: selection aid TIA Selection Tool  • to web stare: CAA-Download-Manager  additional information  other info	after end of life	0.45 kg
during poperation during transport during storage 40 +85 °C environmental category according to IEC 60721 Climate class 3K3, 5 95% no condensation  connection method  type of electrical connection at input at output for auxiliary contacts required spacing  total bottom eleft oright oright fastening method  160 × 125 × 125 mm installation width × mounting height required spacing  top bottom eleft oright oright oright standard rail mounting eleft oright standard rail mounting eleft oright electrical accessories electr	ambient conditions	
e during transport e during storage environmental category according to IEC 60721  Connection method  Type of electrical connection e at input e at output e for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height e top e bottom e left e right e right e standard rail mounting e vall mounting e wall mounting e lectrical accessories electrical accessories electrical accessories electrical accessories electrical accessories electrical accessories environmental category according to IEC 60721  Climate class 3K3, 5 95% no condensation  4 in cut in put a category finely stranded  4 to unit put accessories  Buffer module, signaling module  further information internet links  internet link  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: CAx-Download-Manager  condensation at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	ambient temperature	
environmental category according to IEC 60721  Connection method  ype of electrical connection  • at input  • at output  • for auxiliary contacts  mechanical data  width × height × depth of the enclosure  installation width × mounting height  • left  • right  • stript  • stript  • stript  • bottom  • left  • stript  • stript  • stript  • stript  • bottom  • left  • stript	<ul> <li>during operation</li> </ul>	0 70 °C; with natural convection
environmental category according to IEC 60721  connection method  type of electrical connection  at input  at output  before auxiliary contacts  mechanical data  width × height × depth of the enclosure  installation width × mounting height  ciph  bottom  eleft  orght  orght  standard rail mounting  val mounting  wall mo	during transport	-40 +85 °C
type of electrical connection  • at input  • at output • for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height • for position of the enclosure installation width × mounting height  • for must be specified on the enclosure installation width × mounting height  • top • 50 mm • bottom • bottom • left • night • night • standard rail mounting • \$3 rail mounting • \$3 rail mounting • \$3 rail mounting • wall mounting • wall mounting • wall mounting • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: CAx-Download-Manager  additional information  other information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	during storage	-40 +85 °C
type of electrical connection  • at input  • at input  • at output  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • to the electrical accessories  • to the web page: selection aid TIA Selection Tool  • to website: CAx-Download-Manager  of auxiliary contacts  • Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)  • Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
at niput  at output  at output  for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height  for p  bottom  for p  bottom  at output  fastening method  standard rail mounting  width v  standard rail mounting  width v  standard rail mounting  at one  bottom  fastening method  standard rail mounting  at one  bottom  bousing can be lined up  net weight  accessories  electrical accessories  electrical accessories  further information internet links  internet link  to web page: selection aid TIA Selection Tool  to website: CAx-Download-Manager  addittional Information  the rinformation  the rinformation  the rinformation  the rinformation  the rinformation are selectifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)  L1, L2, L3, PE: 1 screw terminal each for 0.2 4 mm² single-core/finely stranded  +, · 2 screw terminals each for 0.33 4 mm²  +, · 2 screw terminals each for 0.33 4 mm²  +, · 2 screw terminals each for 0.33 4 mm²  160 × 225 mm	connection method	
e at output  • at output  • for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height  • top  • bottom  • left  • right  • right  • standard rall mounting  • S7 rail mounting  • wall mounting  • wall mounting  • wall mounting  • to well be size of section and TIA Selection Tool  • to web page: selection aid TIA Selection Tool  • to website: CAx-Download-Manager  addittional information  thremst information  thremst information  thremst information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)  **Sectifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)  **Current sink **Current sin	type of electrical connection	screw terminal
for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height  fop fop fop for mm for matination  fastening method fastening fasteni	• at input	
mechanical data       width × height × depth of the enclosure     160 × 125 × 125 mm       installation width × mounting height     160 × 225 mm       required spacing     • top       • top     50 mm       • bottom     50 mm       • left     0 mm       • right     0 mm       fastening method     Snaps onto DIN rail EN 60715 35x7.5/15       • standard rail mounting     Yes       • S7 rail mounting     No       • wall mounting     No       housing can be lined up     Yes       net weight     2 kg       accessories     Buffer module, signaling module       further information internet links     Internet link       • to web page: selection aid TIA Selection Tool     https://siemens.com/lst       • to website: Industrial communication     https://www.siemens.com/simatic-net       • to website: CAx-Download-Manager     http://www.siemens.com/cax       additional information     Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	• at output	+, -: 2 screw terminals each for 0.33 4 mm²
width × height × depth of the enclosure installation width × mounting height  required spacing  • top • bottom • left • right • right • standard rail mounting • S7 rail mounting • wall mounting • wall mounting • ret weight • a ccessories electrical accessories  electrical accessories  electrical accessories  suffer module, signaling module  further information internet links • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: CAx-Download-Manager  additional information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	• for auxiliary contacts	-
installation width × mounting height  required spacing  • top • bottom • bottom • left • right • on mm  fastening method • standard rail mounting • S7 rail mounting • wall mounting housing can be lined up net weight  accessories  electrical accessories  electrical accessories  flutther information internet links  internet link • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industrial communication • to website: CAx-Download-Manager  additional information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	mechanical data	
required spacing  • top  • bottom  • bottom  • left  • o mm  • right  o mm  fastening method  • standard rail mounting  • S7 rail mounting  • Wall mounting  housing can be lined up  ret weight  accessories  electrical accessories  electrical accessories  buffer module, signalling module  further information internet links  internet link  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: CAx-Download-Manager  additional information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		
• top     • bottom     • bottom     • left     • onm     • left     • onm     • right     • onm  fastening method     • standard rail mounting     • standard rail mounting     • standard rail mounting     • standard rail mounting     • wall mounting     • wall mounting     • wall mounting     • wall mounting     • No     • wall mounting     • No     • wall mounting     • No     • letcrical accessories     • electrical accessories     • electrical accessories     • to web page: selection aid TIA Selection Tool     • to website: Industrial communication     • to website: Industrial communication     • to website: CAx-Download-Manager     • other information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		160 × 125 × 125 mm
bottom left of the fight of mm sight of astening method Snaps onto DIN rail EN 60715 35x7.5/15 standard rail mounting Snaps onto DIN rail EN 60715 35x7.5/15 standard rail mounting Snaps onto DIN rail EN 60715 35x7.5/15 standard rail mounting No standard rail mounting No suall mounting No housing can be lined up ret weight 2 kg accessories electrical accessories Buffer module, signaling module further information internet links internet link standard rail mounting Internet link standard	width × height × depth of the enclosure	
Ieft	width × height × depth of the enclosure installation width × mounting height	
oright     fastening method     snaps onto DIN rail EN 60715 35x7.5/15     • standard rail mounting     • S7 rail mounting     • wall mounting     • wall mounting     housing can be lined up     ret weight     accessories electrical accessories  electrical accessories Buffer module, signaling module  further information internet links  internet link     • to web page: selection aid TIA Selection Tool     • to website: Industrial communication     • to website: CAx-Download-Manager  additional information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm
fastening method  • standard rail mounting  • standard rail mounting  • s7 rail mounting  • wall mounting  housing can be lined up  res  ret weight  accessories  electrical accessories  electrical accessories  Buffer module, signaling module  further information internet links  internet link  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: CAx-Download-Manager  additional information  other information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing • top	160 × 225 mm 50 mm
standard rail mounting     S7 rail mounting     No     wall mounting     No housing can be lined up ret weight  accessories electrical accessories electrical accessories Buffer module, signaling module further information internet links internet link     to web page: selection aid TIA Selection Tool     to website: Industrial communication     to website: CAx-Download-Manager  additional information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom	160 × 225 mm  50 mm 50 mm
S7 rail mounting     wall mounting     No housing can be lined up     Yes net weight     2 kg  accessories electrical accessories Buffer module, signaling module further information internet links internet link     to web page: selection aid TIA Selection Tool     to website: Industrial communication     to website: CAx-Download-Manager  additional information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm  0 mm
S7 rail mounting     wall mounting     No housing can be lined up     Yes net weight     2 kg  accessories electrical accessories Buffer module, signaling module further information internet links internet link     to web page: selection aid TIA Selection Tool     to website: Industrial communication     to website: CAx-Download-Manager  additional information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm  0 mm
<ul> <li>wall mounting</li> <li>housing can be lined up</li> <li>Yes</li> <li>net weight</li> <li>2 kg</li> <li>accessories</li> <li>electrical accessories</li> <li>Buffer module, signaling module</li> <li>further information internet links</li> <li>internet link         <ul> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to website: CAx-Download-Manager</li> <li>http://www.siemens.com/simatic-net</li> <li>to website: CAx-Download-Manager</li> </ul> </li> <li>additional information</li> <li>Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)</li> </ul>	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15
housing can be lined up  net weight  accessories  electrical accessories  Buffer module, signaling module  further information internet links  internet link  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: CAx-Download-Manager  additional information  Other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes
net weight  accessories  electrical accessories  Buffer module, signaling module  further information internet links  internet link  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: CAx-Download-Manager  additional information  Other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No
electrical accessories  electrical accessories  Buffer module, signaling module  further information internet links  internet link  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: CAx-Download-Manager  • to website: CAx-Download-Manager  additional information  Other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No
electrical accessories  further information internet links  internet link  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: CAx-Download-Manager  additional information  Other information  Buffer module, signaling module  https://siemens.com/tst  https://siemens.com/tst  http://www.siemens.com/simatic-net  http://www.siemens.com/cax  additional information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No
internet link  • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: CAx-Download-Manager  additional information  Other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No
internet link  • to web page: selection aid TIA Selection Tool  • to website: Industrial communication  • to website: CAx-Download-Manager  • to website: CAx-Download-Manager  • to mebsite: CAx-Download-Manager	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 2 kg
to website: Industrial communication	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 2 kg
to website: Industrial communication	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 2 kg
● to website: CAx-Download-Manager  additional information  Other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 2 kg  Buffer module, signaling module
additional information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 2 kg  Buffer module, signaling module
other information Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 2 kg  Buffer module, signaling module  https://siemens.com/tst http://www.siemens.com/simatic-net
otherwise specified)	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 2 kg  Buffer module, signaling module  https://siemens.com/tst http://www.siemens.com/simatic-net
security information	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 2 kg  Buffer module, signaling module  https://siemens.com/tst http://www.siemens.com/simatic-net http://www.siemens.com/cax
	width × height × depth of the enclosure installation width × mounting height required spacing	160 × 225 mm  50 mm 50 mm 0 mm 0 mm Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No Yes 2 kg  Buffer module, signaling module  https://siemens.com/tst http://www.siemens.com/simatic-net http://www.siemens.com/cax  Specifications at rated input voltage and ambient temperature +25 °C (unless

security information

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

## Approvals Certificates

## **General Product Approval**



Manufacturer Declaration

**Declaration of Conformity** 







**General Product Approval** 

For use in hazardous locations

Marine / Shipping

**Miscellaneous** 





CCC-Ex





**Environment** 



last modified:

4/8/2024