SIEMENS

Data sheet

6GK7542-1AX10-0XE0

Communications module CM 1542-7 for connection of 57-1800 to PROFINET at IO Controller of IO Device TOPP, II SCO-more TO	product type designation	CM 1542-1
transfer rate at the 1st interface Interfaces number of relefraces / according to Industrial Ethernet number of relefraces / according to Industrial Ethernet 1 number of relefracial connections at the 1st interface / according to Industrial Ethernet 2 type of electrical connection at the 1st interface / according to Industrial Ethernet 2 type of voltage, current consumption, power loss type of voltage / 1 / from backplane bus 16 V relative symmetrical Interface / according to Industrial Ethernet 2 supply voltage / 1 / from backplane bus 16 V relative symmetrical Interface / a DC 3 % consumed current 6 from backplane bus / at DC / at 15 V / typical power loss IVI) 2 mbilent conditions 3 x W ambient temperature 6 for vertical Installation / during operation 6 for horizontally arranged busbars / during operation 6 for horizontally arranged busbars / during operation 7 during transport 8 during storage 9 during transport 9 value / 40 +70 ° C 1 statlation attitude / at height above sea level / maximum protection class IP 1 p20 design, differentials P 1 p20 design, differentials paranged busbars / during operation / maximum protection class IP 1 p20 design, differentials paranged busbars / during operation / maximum protection class IP 1 p20 design, differentials paranged par		IO Controller or IO Device: TCP/IP, ISO-on-TCP, UDP, S7 communication, IP broadcast multicast, SNMPV1, time-of-day synchronization via NTP, 2xRJ45
at the 1st interface 10 100 Mbbt/s interfaces / according to Industrial Ethernet 1 number of interfaces / according to Industrial Ethernet 2 type of electrical connections	transfer rate	
Interfaces number of interfaces / according to Industrial Ethernet number of electrical connections • at the 1st interface / according to Industrial Ethernet 12 type of electrical connection • at the 1st interface / according to Industrial Ethernet 15 type of velotical connection • at the 1st interface / according to Industrial Ethernet 15 type of velotical connection • at the 1st interface / according to Industrial Ethernet 15 type of velotical of the supply velotical consumption, power loss 15 type of velotical of the supply	transfer rate	
number of interfaces / according to Industrial Ethernet number of electrical connections at the 1st interface / according to Industrial Ethernet 2 type of electrical connection at the 1st interface / according to Industrial Ethernet supply voltage, curront consumption, power loss type of voltage / of the supply voltage supply voltage, curront consumption, power loss type of voltage / of the supply voltage supply voltage / of the supply voltage	at the 1st interface	10 100 Mbit/s
number of electrical connections • at the 1st interface / according to Industrial Ethernet **Ype of electrical connection • at the 1st interface / according to Industrial Ethernet **Supply voltage / of the supply voltage **Supply voltage / of the voltage voltage / of the vol	interfaces	
+ at the 1st Interface / according to Industrial Ethernet type of electrical connection + at the 1st Interface / according to Industrial Ethernet supply voltage, current consumption, power loss Type of voltage / 1 / from backplane bus 15 V relative symmetrical tolerance / at DC + at 15 V consumed current - from backplane bus / at DC / at 15 V / typical - power loss [M] subtlent conditions ambient conditions ambient temperature - for vertical installation / during operation - for horizontally arranged busbars / during operation - for horizontally arranged busbars / during operation - during storage - during fransport - at 25 °C / without condensation / during operation / ana.mmum relative humidity - at 25 °C / without condensation / during operation / maximum protection class IP dosign, dimensions and weights - module format - compact module S7-1500 single width - width - s7-1500 rail mounting - yes - product features, product functions, product components / general - number of pusible connections / for open communication - where of the system upper limit - data volume - as user data / open communication - unwher of pusible connections / for open communication - unwher of pusible connections / for open communication - a user data per ISO on TCP connection / for open communication / by means of T blocks / maximum - number of pusible connections / for open communication / by means of T blocks / maximum - number of pusible connections / for open communication / by means of T blocks / maximum - number of pusible connections / for open communication / by means of T blocks / maximum - number of pusibles connections / for open communication / by means of T blocks / maximum - number of pusibles connections / for open communication - as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum - number of pusibles connections / for open communication - by means of T blocks / maximum - number of pusibles connections / for open communication - as user data per ISO on TCP connectio	number of interfaces / according to Industrial Ethernet	1
type of electrical connection • at the 1st interface / according to Industrial Ethernet supply voltage, current consumption, power loss type of voltage / of the supply voltage Supply voltage / 1 / from backplane bus 15 V relative symmérical tolerance / at DC • at 15 V consumed current • from backplane bus / at DC / at 15 V / typical or from backplane bus / at DC / at 15 V / typical or from backplane bus / at DC / at 15 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at DC / at 16 V / typical or from backplane bus / at 16 V / typical or from 'C - 40 - 40 - 40 - 40 - 40 - 40 - 40 - 4	number of electrical connections	
* at the 1st interface / according to Industrial Ethernet Supply voltage, current consumption, power loss Type of voltage / of the supply voltage supply voltage / 1 / from backplane bus relative symmetrical tolerance / at DC * at 15 V consumed current • from backplane bus / at DC / at 15 V / typical of mome power loss [M] ambient conditions ambient temperature • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport • during transport • during transport • during transport • at 25 °C / without condensation / during operation / according to the system under the protection class IP design, dimensions and weights module format width 35 mm height • 27 - 1500 rail mounting Yes product features, product functions, product components / general number of units • per CPU / maximum 8 • note performance data / open communication unwher of possible connections / for open communication • by means of T blocks / maximum data volume • a su sure data per ISO on TCP connection / for open communication / purple maximum number of possible connections / for open communication / for open communication / purple maximum number of possible connections / for open communication / for open communication / purple maximum a su surer data per ISO on TCP connection / for open communication / purple maximum number of youthcast stations • 65536 byte performance data / 57 communication unwher of youthcast stations • 65536 byte	• at the 1st interface / according to Industrial Ethernet	2
supply Voltage, current consumption, power loss type of Voltage / of the supply voltage supply voltage / 1 from backplane bus relative symmetrical tolerance / at DC • at 15 V • at 15 V 3 % consumed current • from backplane bus / at DC / at 15 V / typical power loss [W] sambient conditions ambient temperature • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during storage • during transport • during transport • during transport • at 25 °C / without condensation / during operation / maximum relative humidity • at 25 °C / without condensation / during operation / passing dimensions and weights module format width • 35 mm height deepth 129 mm net weight fastening method • \$71-1500 rail mounting yes product teatures, product functions, product components / general number of units • per CPU / maximum • note • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum 140 communication / by means of T blocks / maximum 140 communication / by means of T blocks / maximum 141 communication / by means of T blocks / maximum 142 communication / by means of T blocks / maximum 143 communication / by means of T blocks / maximum 144 communication / by means of T blocks / maximum 145 communication / by means of T blocks / maximum 145 communication / by means of T blocks / maximum 145 communication / by means of T blocks / maximum 145 communication / by means of T blocks / maximum 146 communication / by means of T blocks / maximum 147 communication / by means of T blocks / maximum 148 communication / by means of T blocks / maximum 149 communication / by means of T blocks / maximum 140 communication / by means of T blocks / maximum 140 communication / by means of T blocks / maximum 140 communication / by means of T blocks / maximum 140 communication / by means of T blocks / maximum 140 communication / by means of T blocks / maximum 140 communication / by means of T blocks / maximum 140 commun	type of electrical connection	
type of voitage / of the supply voitage	• at the 1st interface / according to Industrial Ethernet	RJ45 port
supply voltage / 1 / from backplane bus relative symmetrical tolerance / at DC	supply voltage, current consumption, power loss	
relative symmetrical tolerance / at DC • at 15 V 3 % consumed current • from backplane bus / at DC / at 15 V / typical 0.22 A power loss [W] smbient conditions ambient temperature • for vertical installation / during operation • for horizontally arranged busbars / during operation • for horizontally arranged busbars / during operation • during storage • during transport 40 +70 °C installation altitude / at height above sea level / maximum relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP IP20 design, dimensions and weights module format Compact module S7-1500 single width width 35 mm height 142 mm depth 129 mm net weight 3.7 +500 rail mounting Yes product features, product functions, product components / general number of units • per CPU / maximum 8 • note hote depending on CPU type performance data / open communication number of possible connections / for open communication • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication subtrees the suser data per ISO on TCP connection / for open communication yb means of T blocks / maximum number of Multicast stations 6 performance data / \$7 communication number of Multicast stations 64; depending on the system upper limit data volume • as user data per ISO on TCP connection / for open communication subtrees a subset data per ISO on TCP connection / for open communication subtrees a subset data per ISO on TCP connection / for open communication 5 performance data / \$7 communication 5 performance data / \$7 communication 6 performance data / \$7 communi	type of voltage / of the supply voltage	DC
consumed current • from backplane bus / at DC / at 15 V / typical • from backplane bus / at DC / at 15 V / typical power loss [W] ambient conditions ambient temperature • for vertical installation / during operation • for horizontally arranged busbars / during operation • for horizontally arranged busbars / during operation • during storage • during transport • during transport • during transport • at 25 °C / without condensation / during operation / maximum relative humidity • at 25 °C / without condensation / during operation / gs % maximum protection class IP design, dimensions and weights module format Compact module S7-1500 single width width 35 mm height 142 mm depth 129 mm net weight fastening method • S7-1500 rail mounting product features, product functions, product components / general number of units • per CPU / maximum • note • per CPU / maximum 8 • note • once • one performance data / Open communication • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of multicast stations 6 performance data / S7 communication number of duriticast stations • by selections of CPC connection / for open communication • by selections of CPC connection / for open communication • by selections of CPC connection / for open communication / by means of T blocks / maximum number of multicast stations 6 performance data / S7 communication • by means of T blocks / maximum number of multicast stations 6 performance data / S7 communication • by means of T blocks / maximum number of multicast stations 6 performance data / S7 communication	supply voltage / 1 / from backplane bus	15 V
ronsumed current • from backplane bus / at DC / at 15 V / typical • from backplane bus / at DC / at 15 V / typical power loss [W] ambient conditions ambient temperature • for vertical installation / during operation • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport • during transport • during transport • during transport • at 25 ° C / without condensation / during operation / maximum protection class IP design, dimensions and weights module format width 5000 m Compact module S7-1500 single width width 55 mm height 142 mm depth 129 mm net weight 647. 1500 rail mounting yes product features, product functions, product components / general number of units • per CPU / maximum • note porformance data / open communication number of possible connections / for open communication • by means of T blocks / maximum • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of fullicast stations • per formance data / S7 communication number of duticast stations • by means of T blocks / maximum • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of duticast stations • per formance data / S7 communication number of duticast stations • per formance data / S7 communication • by means of T blocks / maximum number of duticast stations • per formance data / S7 communication • per formance data / S7 communication • open formance data / S7 communication • open formance data / S7 communication	relative symmetrical tolerance / at DC	
• from backplane bus / at DC / at 15 V / typical power loss [W] ambient conditions ambient temperature • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport • during transport installation altitude / at height above sea level / maximum relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights module format Compact module S7-1500 single width width • 35 mm height height 142 mm depth 129 mm net weight fastening method • S7-1500 rail mounting yes product features, product functions, product components / general number of units • per CPU / maximum • note • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of unitics stations • 6 performance data / S7 communication number of uniticals stations • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of uniticals stations • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of uniticals stations • for communication / by means of T blocks / maximum number of uniticals stations • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of uniticals stations • for performance data / S7 communication number of uniticals stations • for performance data / S7 communication	• at 15 V	3 %
power loss [W] ambient conditions ambient temperature • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport -40 *70 °C during transport -40 *70 °C installation altitude / at height above sea level / maximum relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights module format Compact module S7-1500 single width width 35 mm height 142 mm depth 129 mm net weight 0.4 kg fastening method • S7-1500 rail mounting Product features, product functions, product components / general number of units • per CPU / maximum • note performance data / open communication number of possible connections / for open communication number of multicast stations • by means of T blocks / maximum • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations • 64; depending on the system upper limit data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations • 66 performance data / S7 communication	consumed current	
ambient temperature • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport • d	 from backplane bus / at DC / at 15 V / typical 	0.22 A
ambient temperature • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport • during transport -40 +70 °C installation altitude / at height above sea level / maximum relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights module format width 35 mm height 122 mm depth 129 mm net weight fastening method • \$7-1500 rall mounting Yes product features, product functions, product components / general number of units • per CPU / maximum • note performance data / open communication number of bulkicast stations • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations performance data / \$7 communication number of Multicast stations performance data / \$7 communication	power loss [W]	3.3 W
• for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport • during	ambient conditions	
for horizontally arranged busbars / during operation during storage during transport during trans	ambient temperature	
during storage during transport during	 for vertical installation / during operation 	-25 +40 °C
during transport installation altitude / at height above sea level / maximum relative humidity • at 25° C/ without condensation / during operation / maximum protection class IP design, dimensions and weights module format	 for horizontally arranged busbars / during operation 	-25 +60 °C
during transport installation altitude / at height above sea level / maximum relative humidity at 25° C / without condensation / during operation / maximum protection class IP design, dimensions and weights module format		-40 +70 °C
installation altitude / at height above sea level / maximum relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights module format width 35 mm height depth 129 mm net weight porduct features, product functions, product components / general number of possible connections / for open communication • by means of T blocks / maximum number of Multicast stations performance data / S7 communication number of Multicast stations 6 performance data / S7 communication number of Multicast stations 6 performance data / S7 communication number of Multicast stations 6 performance data / S7 communication number of Multicast stations 6 performance data / S7 communication number of Multicast stations		-40 +70 °C
relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights module format Compact module S7-1500 single width width 35 mm height 42 mm depth 129 mm net weight fastening method • S7-1500 rail mounting Yes product features, product functions, product components / general number of units • per CPU / maximum • note performance data / open communication number of possible connections / for open communication • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication number of Multicast stations 6 performance data / S7 communication		5000 m
maximum protection class IP design, dimensions and weights module format Compact module S7-1500 single width width 142 mm depth 129 mm net weight 0.4 kg fastening method • \$7-1500 rail mounting Yes product features, product functions, product components / general number of units • per CPU / maximum • note • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / \$7 communication number of Multicast stations 6 performance data / \$7 communication number of Multicast stations 6	relative humidity	
module format module format Compact module S7-1500 single width width 35 mm height 142 mm depth 129 mm net weight o.4 kg fastening method o.57-1500 rail mounting Yes product features, product functions, product components / general number of units o. per CPU / maximum o. note performance data / open communication number of possible connections / for open communication o. by means of T blocks / maximum data volume o. as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication number of Multicast stations 6 performance data / S7 communication 6 performance data / S7 communication 6 performance data / S7 communication		95 %
module format width 35 mm height 142 mm depth 129 mm net weight 65536 byte communication number of Multicast stations e su ser data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication number of Multicast stations 6 performance data / S7 communication 6 performance data / S7 communication 6 performance data / S7 communication 129 mm 142 mm	protection class IP	IP20
width 35 mm height 142 mm depth 129 mm net weight 0.4 kg fastening method • S7-1500 rail mounting Yes product features, product functions, product components / general number of units • per CPU / maximum 8 • note depending on CPU type performance data / open communication number of possible connections / for open communication • by means of T blocks / maximum 64; depending on the system upper limit data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication	design, dimensions and weights	
height depth 129 mm net weight 0.4 kg fastening method • \$7-1500 rail mounting Yes product features, product functions, product components / general number of units • per CPU / maximum 8 • note depending on CPU type performance data / open communication number of possible connections / for open communication • by means of T blocks / maximum 64; depending on the system upper limit data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / \$7\$ communication	module format	Compact module S7-1500 single width
depth 129 mm net weight 0.4 kg fastening method • S7-1500 rail mounting Yes product features, product functions, product components / general number of units • per CPU / maximum 8 • note depending on CPU type performance data / open communication number of possible connections / for open communication • by means of T blocks / maximum 64; depending on the system upper limit data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum 65536 byte performance data / S7 communication 6	width	35 mm
net weight fastening method • S7-1500 rail mounting Product features, product functions, product components / general number of units • per CPU / maximum • note • note performance data / open communication number of possible connections / for open communication • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication 6 performance data / S7 communication	height	142 mm
fastening method • S7-1500 rail mounting Product features, product functions, product components / general number of units • per CPU / maximum • note performance data / open communication number of possible connections / for open communication • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication	depth	129 mm
S7-1500 rail mounting Product features, product functions, product components / general number of units per CPU / maximum number of possible connections / for open communication number of possible connections / for open communication by means of T blocks / maximum data volume as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations feromance data / S7 communication performance data / S7 communication feromance data / S7 communication	net weight	0.4 kg
number of units	fastening method	
number of units • per CPU / maximum • note depending on CPU type performance data / open communication number of possible connections / for open communication • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication	• S7-1500 rail mounting	Yes
 per CPU / maximum note depending on CPU type performance data / open communication number of possible connections / for open communication by means of T blocks / maximum data volume as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations performance data / S7 communication 	product features, product functions, product components / g	eneral
● note depending on CPU type performance data / open communication number of possible connections / for open communication ● by means of T blocks / maximum data volume ● as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication	number of units	
number of possible connections / for open communication • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 64; depending on the system upper limit 65536 byte 65536 byte	• per CPU / maximum	8
number of possible connections / for open communication • by means of T blocks / maximum data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication	• note	depending on CPU type
by means of T blocks / maximum data volume as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations performance data / S7 communication 64; depending on the system upper limit 65536 byte 65536 byte 6 performance data / S7 communication	performance data / open communication	
by means of T blocks / maximum data volume as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations performance data / S7 communication 64; depending on the system upper limit 65536 byte 65536 byte 6 performance data / S7 communication		
data volume • as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations 6 performance data / S7 communication		64; depending on the system upper limit
as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum number of Multicast stations performance data / S7 communication 65536 byte 65536 byte	·	
performance data / S7 communication		65536 byte
	number of Multicast stations	6
number of possible connections / for S7 communication	performance data / S7 communication	
	number of possible connections / for S7 communication	

• maximum	64; depending on the system upper limit
performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	64
performance data / PROFINET communication / as PN IO contro	ller
product function / PROFINET IO controller	Yes
number of PN IO devices / on PROFINET IO controller / operable / total	128
number of PN IO IRT devices / on PROFINET IO controller / operable	64
number of external PN IO lines / with PROFINET / per rack	10
data volume	
 as user data for input variables / as PROFINET IO controller / maximum 	8 Kibyte
 as user data for output variables / as PROFINET IO controller / maximum 	8 Kibyte
 as user data for input variables per PN IO device / as PROFINET IO controller / maximum 	1433 byte
 as user data for output variables per PN IO device / as PROFINET IO controller / maximum 	1433 byte
 as user data for input variables per PN IO device / for each sub-module as PROFINET IO controller / maximum 	256 byte
as user data for output variables per PN IO device / for each sub-module as PROFINET IO controller / maximum	256 byte
performance data / PROFINET communication / as PN IO device	
product function / PROFINET IO device	Yes
data volume	
 as user data for input variables / as PROFINET IO device / maximum 	8192 byte
 as user data for output variables / as PROFINET IO device / maximum 	8192 byte
 as user data for input variables / for each sub-module as PROFINET IO device 	256 byte
 as user data for output variables / for each sub-module as PROFINET IO device 	256 byte
as user data for the consistency area for each sub- module	256 byte
number of submodules / per PROFINET IO-Device	32
performance data / telecontrol	
protocol / is supported	V
• TCP/IP	Yes
product functions / management, configuration, engineering	
product function / MIB support	Yes
protocol / is supported	V
• SNMP v1	Yes
• DCP	Yes
• LLDP	Yes
identification & maintenance function	Von
I&M0 - device-specific information	Yes
I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
product function / web-based diagnostics	Yes; via S7-1500 CPU
product functions / switch	
product feature / switch	Yes
product function	
 switch-managed 	No
 with IRT / PROFINET IO switch 	Yes
configuration with STEP 7	Yes
product functions / routing	
service / routing / note	IP routing up to 1 Mbps
product function	
• static IP routing	Yes
• static IP routing IPv6	No
dynamic IP routing	No
dynamic IP routing IPv6	No

product functions / security	
product functions / security	
product function	
 switch-off of non-required services 	Yes
 blocking of communication via physical ports 	No
 log file for unauthorized access 	No
product functions / time	
product function / SICLOCK support	Yes
product function / pass on time synchronization	Yes
protocol / is supported	
• NTP	Yes
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to \ensuremath{GB} standard	Yes
• as marking	Ex nA IIC T4 Gc
further information / internet links	
internet link	
 to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
 to website: Industrial communication 	http://www.siemens.com/simatic-net
to website: Industry Mall	https://mall.industry.siemens.com
 to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that
	support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection

last modified: 8/22/2023 🖸