## **SIEMENS**

## **Data sheet**



Connection module TP1 32 channels a. 4x2 terminals f. Potential supply Type: Push-in terminal with LED, VPE=1 unit 50 pole IDC connector for cable



Figure similar

suitability for use product type designation product designation (Connection Pully modular connection Pully modular connection product designation (Connection module Connection module Pully modular connection module Pully	target system	SIMATIC S7-1500
product designation  olectrical data  operating voltage  • at DC / rated value  • rated value  • at DC / maximum  ampacity / per pin / maximum  1 A  continuous current / at DC / per signal cable / maximum  1 A  display version  • as status display of the inputs/outputs  • for power supply / power LED  product function / infeed function  • respectively function / version  • shelid connection  • shelid connection  • disconnector  • shelid connection  • shelid connection  • shelid connection  • shelid connection  • for prower supply / power LED  product treature / cross-connectable  connection method  number of terminals  48; 32 x I/O; 8 x L+, 8 x M  number of terminal levels  1 design of terminal levels  1 design of terminal versional levels  1 design of terminal versional levels  1 design of terminal versional levels  1 under of plug contacts / of the electrical connection  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector module and Connection module  1 vive length / maximum  30 m; between front connector	suitability for use	Digital I/O modules
operating voltage  at DC / rated value  at DC / rated value  at DC / maximum  28.8 V  ampacity / per pin / maximum  1 A  total current / at DC / per signal cable / maximum  1 A  total current / maximum  2 A  display version  as status display of the inputs/outputs  for power supply / power LED  Yes; green for 24 V DC O.K.  product function / infeed function  PE connection  shield connection  No  shield connection  No  connection method  number of terminals  1 A  1 A  1 A  1 A  1 A  1 A  1 A  1	product type designation	Fully modular connection
operating voltage  • at DC / rated value  • rated value  • at DC / maximum  28.8 V  ampacity / per pin / maximum  1 A  continuous current / at DC / per signal cable / maximum  1 A  total current / maximum  2 A  display version  • as status display of the inputs/outputs  • for power supply / power LED  product function / infeed function  • PE connection  • shield connection  • shield connection  • bried connection  • and the terminal  number of terminals  1 A  design of terminal levels  1 A  design of terminal levels internally linked  No  position / of the terminal  design of terminal levels internally linked  No plug-in connection  number of poles / at the 1st interface  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  wire length / maximum  1 A  24 V  25 V  26 N  27 A  38 V  38 V  39 V  48 Sa V	product designation	Connection module
at DC / rated value at DC / maximum 28.8 V  ampacity   per pin / maximum 1 A  continuous current / at DC / per signal cable / maximum 1 A  continuous current / at DC / per signal cable / maximum 1 A  total current / maximum 2 A  display version as status display of the inputs/outputs for power supply / power LED Yes; green for 24 V DC O.K.  product function / infeed function PE connection A PE connection A PE connection A PE connection A Pictory of channels A Si 32 x I/O; 8 x L+, 8 x M  number of terminal number of terminal position / of the terminal push-in position / of the terminal levels design of terminal / terminal levels internally linked No type of electrical connection / for connecting cable number of the plug contacts / of the electrical connection  number of the 1 st interface number of the plug contacts / of the electrical connection  **Opinal Plug-in connection module type of connectable conductor ross-sections / solid No connectable conductor cross-sections / solid No connectable conductor ross-sections / solid For flexible conductor / with core end processing  **Opinal Plug-in stranger **Opinal Plug-in stranger **Opinal Plug-in stranger **Opinal Plug-in stranger **Opinal Plug-in connection module **No **Opinal Plug-in connection module and Connection module **Opinal Plug-in stranger **Opinal Plug-in connection module **Opinal Plug-in connection module **Opinal Plug-in stranger **O	electrical data	
* rated value     * at DC / maximum     28.8 V  ampacity / per pin / maximum     1 A  total current / at DC / per signal cable / maximum     1 A  total current / maximum     2 A  display version     * as status display of the inputs/outputs     * for power supply / power LED     Yes; green for 24 V DC O.K.  product function / infeed function     Yes  product component     * PE connection     * shield connection     * shield connection     * one connection television of terminals	operating voltage	
ampacity / per pin / maximum  ampacity / per pin / maximum  1 A  continuous current / at DC / per signal cable / maximum  1 A  display version  a sa status display of the inputs/outputs  for power supply / power LED  Pes; green for 24 V DC O.K.  product function / infeed function  shield connection  disconnector  No  absolution of the terminal  number of terminals  position / of the terminal  position / of the terminal   push-in  position / of the terminal   tevels    design of terminal   tevels    number of poles / at the 1st interface  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  number of the plug contacts / of the electrical connection  vier length / maximum  vier length / maximum  for file stranded  for flexible conductor / with core end processing  finely stranded / without core end processing  finely stranded / without core end processing  o 2 2.5 mm²	at DC / rated value	24 V
ampacity / per pin / maximum 1 A continuous current / at DC / per signal cable / maximum 1 A total current / maximum 2 A display version	• rated value	24 V
continuous current / at DC / per signal cable / maximum  total current / maximum  2 A  display version  • as status display of the inputs/outputs  • for power supply / power LED  Product function / infeed function  • Strained  • PE connection  • Strained  • for flexible conductor / sections / sections / solid  • for flexible conductor / with core end processing  • finely stranded / without core end processing  • Stranded  • finely stranded / without core end processing  • Stranded  • finely stranded / without core end processing  • Stranded  • finely stranded / without core end processing  • Stranded  • finely stranded / without core end processing  • Stranded  • finely stranded / without core end processing  LED yellow for "active high"  2 A  LED yellow for "active high"  Yes; green for 24 V DC O.K.  Prod.  48; 32 x I/O; 8 x L+, 8 x M  No  No  48; 32 x I/O; 8 x L+, 8 x M  No  10	at DC / maximum	28.8 V
total current / maximum 2 A display version  • as status display of the inputs/outputs  • for power supply / power LED  yes; green for 24 V DC O.K.  product function / infeed function  • PE connection  • hield connection  • of disconnector  number of terminals  position / of the terminal   terminal levels  design of terminal / terminal levels  design of terminal / terminal levels  design of terminal   terminal levels  design of terminal   verminal levels  number of poles / at the 1st interface  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  vier length / maximum  type of connectable conductor cross-section  • for flexible conductor / with core end processing  • stranded  • finely stranded / without core end processing  1 LED yellow for "active high"  Yes; green for 24 V DC O.K.  LED yellow for "active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Pes  Yes; green for 24 V DC O.K.  Pes  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Pes  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  Position is active high"  Yes; green for 24 V DC O.K.  No  connection method  No  1	ampacity / per pin / maximum	1 A
display version  as status display of the inputs/outputs  for power supply / power LED  product function / infeed function  Yes  product component  PE connection  shield connection  of disconnector  product feature / cross-connectable  number of terminals  number of terminal levels  design of terminal / terminal levels internally linked  type of electrical connection / for connecting cable  number of poles / at the 1st interface  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  vier length / maximum  type of connectable conductor cross-section  of or flexible conductor / with core end processing  of inely stranded / without core end processing  of time / very service in the pole of the pole of the plus	continuous current / at DC / per signal cable / maximum	1 A
as status display of the inputs/outputs for power supply / power LED Yes; green for 24 V DC O.K.  product function / infeed function Yes product component PE connection Shield connection Shield connector No office further of terminals No connection method  number of terminals position / of the terminal position / of the terminal levels design of terminal   verminal levels idesign of terminal   verminal levels internally linked No type of connection / for connecting cable number of plug contacts / of the electrical connection  number of the plug contacts / of the electrical connection wire length / maximum  type of connectable conductor cross-section of for flexible conductor / with core end processing offinely stranded / without core end processing of sex status display of 24 v DC O.K. Yes Yes; green for 24 V DC O.K. Yes Yes; green for 24 V DC O.K. Yes Yes Yes; green for 24 V DC O.K. Yes Yes Yes; green for 24 V DC O.K.  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	total current / maximum	2 A
• for power supply / power LED  yes; green for 24 V DC O.K.  product function / infeed function  Yes  product component  • PE connection  • shield connection  • disconnector  product feature / cross-connectable  No  connection method  number of terminals  148; 32 x I/O; 8 x L+, 8 x M  number of connecting terminal  position / of the terminal  position / of the terminal levels  design of terminal / terminal levels internally linked  No  type of electrical connection / for connecting cable  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  wire length / maximum  type of connectable conductor cross-section  • for flexible conductor / with core end processing  • stranded  • stranded  • finely stranded / without core end processing	display version	
product function / infeed function  product component  PE connection  olicionnector  No  olisconnector  No  connection wethod  number of terminals  number of channels  type of connecting terminal  position / of the terminal levels  design of terminal   verminal	<ul> <li>as status display of the inputs/outputs</li> </ul>	LED yellow for "active high"
product component  PE connection No shield connector No connector No product feature / cross-connectable No connection method number of terminals 148; 32 x I/O; 8 x L+, 8 x M number of channels 159 push-in position / of the terminal position / of the terminal push-in position / of terminal levels 11 design of terminal levels 11 design of terminal / terminal levels internally linked No type of electrical connection / for connecting cable number of poles / at the 1st interface 150; IDC connector with installed strain relief for the connecting cable number of the plug contacts / of the electrical connection 1 wire length / maximum 30 m; between front connector module and Connection module type of connectable conductor cross-section of for flexible conductor / with core end processing of the plug stranded / without core end processing of niley stranded / without core end processing of niley stranded / without core end processing of the plug stranded / without core end processing of niley stranded / without core end processing	<ul><li>for power supply / power LED</li></ul>	Yes; green for 24 V DC O.K.
PE connection Shield connection No disconnector No Product feature / cross-connectable No  Connection method  number of terminals 12 type of connecting terminal position / of the terminal levels 13 design of terminal / terminal levels 14 design of terminal / terminal levels 15 design of poles / at the 1st interface number of the plug contacts / of the electrical connection number of the plug contacts / of the electrical connection wire length / maximum for connectable conductor cross-section for for flexible conductor / with core end processing finely stranded / without core end processing for method  No	product function / infeed function	Yes
<ul> <li>◆ shield connection</li> <li>◆ disconnector</li> <li>No</li> <li>product feature / cross-connectable</li> <li>No</li> <li>connection method</li> <li>number of terminals</li> <li>number of channels</li> <li>type of connecting terminal</li> <li>position / of the terminal</li> <li>position / of the terminal levels</li> <li>design of terminal / terminal levels internally linked</li> <li>type of electrical connection / for connecting cable</li> <li>plug-in connection</li> <li>number of poles / at the 1st interface</li> <li>position / of the plug contacts / of the electrical connection</li> <li>wire length / maximum</li> <li>type of connectable conductor cross-sections / solid</li> <li>connectable conductor / with core end processing</li> <li>of r flexible conductor / without core end processing</li> <li>of niely stranded / without core end processing</li> <li>of niely stranded / without core end processing</li> <li>of niely stranded / without core end processing</li> </ul>	product component	
olisconnector     product feature / cross-connectable     No  connection method  number of terminals     48; 32 x l/O; 8 x L+, 8 x M  number of channels     32 type of connecting terminal     position / of the terminal     position / of the terminal levels     1     design of terminal / terminal levels internally linked     No type of electrical connection / for connecting cable     number of poles / at the 1st interface     number of the plug contacts / of the electrical connection     wire length / maximum     type of connectable conductor cross-sections     of reflexible conductor / with core end processing     of reflexible conductor / with core end processing     of flexy tyranded / without core end processing     of new tyranded     of new tyranded     of stranded     of new tyranded     of tyranded / without core end processing     of tyranded     of new tyranded     of tyranded / without core end processing     of tyranded     of tyranded / without core end processing     of tyranded     of tyranded / without core end processing     of tyranded     of tyranded / without core end processing	<ul> <li>PE connection</li> </ul>	No
product feature / cross-connectable  number of terminals number of channels 132 type of connecting terminal position / of the terminal number of terminal levels 11 design of terminal / terminal levels internally linked No type of electrical connection / for connecting cable number of poles / at the 1st interface 10 number of the plug contacts / of the electrical connection vire length / maximum 10 type of connectable conductor cross-section 11 oconnectable conductor cross-section 12 on method No connectable conductor / with core end processing 13 on; between front connector module and Connection module No connectable conductor cross-section 14 of reflexible conductor cross-section 15 on the plug contacts / of the electrical connection No connectable conductor cross-section 16 of reflexible conductor / with core end processing 17 on the plastic collar 18 on the plastic collar 19 on the plastic collar 10 on the plastic collar 11 on the plastic collar 12 on the plastic collar 13 on the plastic collar 14 on the plastic collar 15 on the plastic collar 16 on the plastic collar 17 on the plastic collar 18 on the plastic collar 19 on the plastic collar 19 on the plastic collar 19 on th	<ul> <li>shield connection</li> </ul>	No
number of terminals  number of channels  132  type of connecting terminal  position / of the terminal  position / of the terminal   push-in  position / of the terminal   Top  number of terminal levels   1  design of terminal / terminal levels internally linked   No  type of electrical connection / for connecting cable   Plug-in connection  number of poles / at the 1st interface   50; IDC connector with installed strain relief for the connecting cable  number of the plug contacts / of the electrical connection   1  wire length / maximum   30 m; between front connector module and Connection module  type of connectable conductor cross-sections / solid   No  connectable conductor / with core end processing   0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  • stranded   0.2 2.5 mm²  • finely stranded / without core end processing   0.2 2.5 mm²	• disconnector	No
number of terminals  number of channels  type of connecting terminal  position / of the terminal  position / of the terminal push-in  position / of the terminal push-in  position / of the terminal push-in  position / of the terminal levels  1  design of terminal / terminal levels internally linked  No  type of electrical connection / for connecting cable  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  vire length / maximum  type of connectable conductor cross-sections / solid  connectable conductor cross-section  • for flexible conductor / with core end processing  • stranded  • finely stranded / without core end processing  48; 32 x I/O; 8 x L+, 8 x M  number of channels  32  Push-in  Plug-in connection  1  No  50; IDC connector with installed strain relief for the connecting cable  1  No  1  No  1  0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  • stranded  • finely stranded / without core end processing  0.2 2.5 mm²  0.2 2.5 mm²	product feature / cross-connectable	No
type of connecting terminal  position / of the terminal  position / of the terminal  position / of the terminal  Top  number of terminal levels  design of terminal / terminal levels internally linked  No  type of electrical connection / for connecting cable  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  vire length / maximum  type of connectable conductor cross-sections / solid  connectable conductor cross-section  • for flexible conductor / with core end processing  • stranded  • finely stranded / without core end processing  22  1  1  1  1  1  1  1  1  1  1  1  1	connection method	
type of connecting terminal  position / of the terminal  number of terminal levels  design of terminal / terminal levels internally linked  type of electrical connection / for connecting cable  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  wire length / maximum  type of connectable conductor cross-sections / solid  connectable conductor cross-section  • for flexible conductor / with core end processing  • stranded  • finely stranded / without core end processing  push-in  Top  Top  No  1  No  No  20.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²  0.2 2.5 mm²	number of terminals	48; 32 x I/O; 8 x L+, 8 x M
position / of the terminal  number of terminal levels  design of terminal / terminal levels internally linked  type of electrical connection / for connecting cable  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  wire length / maximum  type of connectable conductor cross-sections / solid  connectable conductor cross-section  of or flexible conductor / with core end processing  stranded  finely stranded / without core end processing  Top  number of terminal levels  1  No  20; IDC connector with installed strain relief for the connecting cable  1  No  1  No  20 m; between front connector module and Connection module  No  2.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²	number of channels	32
number of terminal levels  design of terminal / terminal levels internally linked  type of electrical connection / for connecting cable  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  wire length / maximum  type of connectable conductor cross-sections / solid  connectable conductor cross-section  of the stranded  stranded  finely stranded / without core end processing  1  No  Plug-in connection  50; IDC connector with installed strain relief for the connecting cable  1  No  1  No  20 m; between front connector module and Connection module  No  0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²  0.2 2.5 mm²	type of connecting terminal	push-in
design of terminal / terminal levels internally linked  type of electrical connection / for connecting cable  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  wire length / maximum  type of connectable conductor cross-sections / solid  connectable conductor cross-section  of the flexible conductor / with core end processing  stranded  finely stranded / without core end processing  No  Plug-in connection  1  Plug-in connection  1  No  1  0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²  0.2 2.5 mm²	position / of the terminal	Тор
type of electrical connection / for connecting cable  number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  wire length / maximum  type of connectable conductor cross-sections  of the finely stranded / without core end processing  Plug-in connector  50; IDC connector with installed strain relief for the connecting cable  1  No  1  No  1  No  0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²	number of terminal levels	1
number of poles / at the 1st interface  number of the plug contacts / of the electrical connection  wire length / maximum  type of connectable conductor cross-sections / solid  connectable conductor cross-section  of the electrical connection  1  No  connectable conductor cross-section  of reflexible conductor / with core end processing  of stranded  of inely stranded / without core end processing  50; IDC connector with installed strain relief for the connecting cable  1  No  20  No  0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²  0.2 2.5 mm²	design of terminal / terminal levels internally linked	No
number of the plug contacts / of the electrical connection  wire length / maximum  30 m; between front connector module and Connection module  type of connectable conductor cross-sections / solid  connectable conductor cross-section  • for flexible conductor / with core end processing  • stranded  • stranded  • finely stranded / without core end processing  1  30 m; between front connector module and Connection module  No  0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²  0.2 2.5 mm²	type of electrical connection / for connecting cable	Plug-in connection
wire length / maximum  type of connectable conductor cross-sections / solid  connectable conductor cross-section  of or flexible conductor / with core end processing  stranded  of inely stranded / without core end processing  30 m; between front connector module and Connection module  No  0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²	number of poles / at the 1st interface	50; IDC connector with installed strain relief for the connecting cable
type of connectable conductor cross-sections / solid  connectable conductor cross-section  • for flexible conductor / with core end processing  • stranded  • stranded  • finely stranded / without core end processing  No  0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²	number of the plug contacts / of the electrical connection	1
connectable conductor cross-section  • for flexible conductor / with core end processing  • stranded  • finely stranded / without core end processing  0.2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar  0.2 2.5 mm²  0.2 2.5 mm²	wire length / maximum	30 m; between front connector module and Connection module
<ul> <li>for flexible conductor / with core end processing</li> <li>stranded</li> <li>finely stranded / without core end processing</li> <li>2 2.5 mm²; End sleeve according to DIN 46228/1 or DIN 46228/4 with plastic collar</li> <li>2 2.5 mm²</li> <li>2 2.5 mm²</li> <li>2 2.5 mm²</li> </ul>	type of connectable conductor cross-sections / solid	No
plastic collar  • stranded  • finely stranded / without core end processing  plastic collar  0.2 2.5 mm²  0.2 2.5 mm²	connectable conductor cross-section	
• finely stranded / without core end processing  0.2 2.5 mm²	• for flexible conductor / with core end processing	
	• stranded	0.2 2.5 mm²
• finely stranded / with core end processing 0.2 2.5 mm²	<ul> <li>finely stranded / without core end processing</li> </ul>	0.2 2.5 mm²
	<ul> <li>finely stranded / with core end processing</li> </ul>	0.2 2.5 mm <sup>2</sup>

number of cables / per connection	2; Connection for internal system total of cross sections be achiev		? Wires until the sum	
width of screwdriver blade	3.5 mm			
standards, specifications, approvals				
certificate of suitability				
cULus approval	Yes			
• IECEx	Yes			
• ATEX	Yes			
ULhazloc approval	Yes			
• UKEX	Yes			
CCC / for hazardous zone according to GB standard	Yes			
design tested acc. to type of protection / EEx e	Yes			
overvoltage category	2			
degree of pollution	2			
combustibility class according to UL 94	V1			
standards, specifications, approvals / Environmental Product	Declaration			
Environmental Product Declaration	Yes			
global warming potential [CO2 eq]				
• total	141.3 kg			
during manufacturing	· ·	1.7 kg		
during operation	139.5 kg			
after end of life	0.16 kg	•		
ambient conditions	0.10 kg			
ambient temperature				
	0 60 °C			
during operation				
during storage	-40 +70 °C			
nechanical data	100			
width × height × depth	100 mm × 76 mm × 60 mm			
mounting type	DIN rail 35 mm, DIN rail 15 mm			
mounting position	any			
height / with lowest-profile installation	60 mm			
net weight	0.21 kg	0.21 kg		
insulation material	other			
color				
<ul> <li>of the enclosure</li> </ul>	grey			
of the light source	other	other		
product component / required / end cover plate	No			
further information / internet links				
internet link				
• to website: Industry Mall	https://mall.industry.siemens.com	https://mall.industry.siemens.com		
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	https://www.siemens.com/tstclou	https://www.siemens.com/tstcloud		
to web page: system cabling	https://siemens.com/simatic-top-	-connect		
to website: CAx-Download-Manager	https://siemens.com/cax			
to website: Industry Online Support	https://support.industry.siemens	https://support.industry.siemens.com		
additional information				
other information	Specifications at rated input volt otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		
marketing text	The TP1 connection module for a 1-wire connection with 32 channels and potential connection with push-in terminals with LED for signalling forms the interface between the connecting cables of the peripherals brought in from the field and the SIMATIC S7. This is mounted on the DIN rail and, thanks to its functionality with push-in terminals, is precisely adapted to the respective task. This connection module is part of the fully modular SIMATIC TOP connect connection for the fastest and safest system cabling. In addition to low wiring costs, error sources in cabling can be significantly reduced. Sensors and actuators from the peripherals are combined with the connection modules of SIMATIC TOP connect and connected to the SIMATIC S7-300/1500 via cable and front plug-in module.			
Classifications				
		Version	Classification	
	eClass	14	27-25-01-12	
	eClass	12	27-14-11-28	
	eClass	9.1	27-14-11-28	
	ECIASS	9.1	21-14-11-20	

eClass	9	27-14-11-28
eClass	8	27-14-11-28
eClass	7.1	27-14-11-28
eClass	6	27-14-11-28
ETIM	9	EC000900
ETIM	8	EC000900
ETIM	7	EC000900
UNSPSC	15	39-12-14-10

## Approvals / Certificates

**General Product Approval** 

For use in hazardous locations

Declaration of Conformity

Manufacturer Declara-tion









For use in hazardous locations

Environment

CCC-Ex





last modified:

4/9/2025

