

TERMINAL BLOCK TPRI 230V SCREW TERM.

Connection module TPRI with relay 230 V AC, Output 8 NO contacts 24V DC/0.05 A Type: Screw terminal with LED, VPE=1 unit 16 pole IDC connection for cable



target system  
suitability for use  
product type designation  
product designation

SIMATIC S7-300 / 1500  
Digital input module  
Fully modular connection  
Connection module

### Operating data / header

operating voltage	
• rated value	50 V
• at AC / rated value	230 V
current / rated value	1 A
continuous current / at DC / per signal cable / maximum	0.05 A
switching capacity current / of the contacts / with resistive load / maximum	0.05 A; for 24V AC; recommended minimal load larger than 5mA
operating temperature	0 ... 60 °C
ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
number of terminal levels	1
number of terminal points / per terminal level	1
number of terminals	20; 8 x I x 2; 2 x L+, 2 x M
type of connecting terminal	Screw-type terminal
type of electrical connection / for actuators and sensors	Screw-type terminal
position / of the terminal	Top
design of LED initiator/actuator terminal	Screw-type terminal
width of screwdriver blade	3.5 mm
tightening torque / with screw-type terminals	0.4 ... 0.5 N·m
design of terminal / terminal levels internally linked	No
product component	
• PE connection	No
• shield connection	No
• disconnecter	No
• required / end cover plate	No
product function / infeed function	Yes
product feature / cross-connectable	No
relay design	For input signals
type of switching contact	Single contact, NO contact
number of relay outputs	8
mechanical service life (operating cycles) / typical	10 000 000
electrical endurance (operating cycles) / typical	3 000 000; for AC 230 V/50 mA/Cos phi = 1
operating frequency / maximum	8.33 1/s
product component / protective wiring	No
number of cables / per connection	2; Connection for internal system: Combination of 1 or 2 Wires until the sum total of cross sections be achieved in a ferrule.

type of connectable conductor cross-sections / solid connectable conductor cross-section	No
<ul style="list-style-type: none"> <li>• for flexible conductor / with core end processing</li> <li>• stranded</li> <li>• finely stranded / with core end processing</li> </ul>	0.5 ... 2.5 mm <sup>2</sup> ; End sleeve according to DIN 46228/1
number of poles / at the 1st interface	0.5 ... 2.5 mm <sup>2</sup>
type of electrical connection / for connecting cable	0.5 ... 2.5 mm <sup>2</sup>
number of the plug contacts / of the electrical connection	16; the IDC connector for the connection cable
wire length / maximum	Plug-in connection
	1
	30 m; between front connector module and Connection module

#### General data / header

mounting type	DIN rail 35 mm, DIN rail 15 mm
installation or assembly note	any
mounting position	any
degree of pollution	2
overvoltage category	2
combustibility class according to UL 94	V1
insulation material	other
design tested acc. to type of protection / EEx e	No
certificate of suitability / cULus approval	Yes
reference code / according to IEC 81346-2	XG
color	
<ul style="list-style-type: none"> <li>• of the enclosure</li> <li>• of the light source</li> </ul>	grey other
length	76 mm
height / of the enclosure	76 mm
width / of the enclosure	130 mm
depth / of the enclosure	60 mm
height / with lowest-profile installation	60 mm
net weight	0.36 kg

