

Product type designation

ELS TP40

SIMATIC NET, ELS TP40 ELECTRICAL LEAN SWITCH W. TWO 10/100MBIT/S INSUL. DISPLACEM. CONNECT. FOR CONFIGURING A LINE TOPOGRAPHY AND TWO 10/100 MBIT/S RJ45 PORTS 24V DC SUPPLY



Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
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Interfaces / for communication / integrated

Number of electrical connections	4
<ul style="list-style-type: none"> • for network components or terminal equipment 	4
Number of 100 Mbit/s SC ports	0
<ul style="list-style-type: none"> • for multimode 	0
Number of 1000 Mbit/s LC ports	0
<ul style="list-style-type: none"> • for multimode • for single mode (LD) 	0

Interfaces / others

Number of electrical connections	1
<ul style="list-style-type: none"> • for power supply 	1
Type of electrical connection	3-pole terminal block
<ul style="list-style-type: none"> • for power supply 	3-pole terminal block

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
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Supply voltage	
<ul style="list-style-type: none"> external 	24 V
<ul style="list-style-type: none"> external 	18 ... 32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.15 A
Power loss [W]	
<ul style="list-style-type: none"> at DC / at 24 V 	3.6 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation 	0 ... 60 °C
<ul style="list-style-type: none"> during storage 	-40 ... +80 °C
<ul style="list-style-type: none"> during transport 	-40 ... +80 °C
Relative humidity	
<ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum 	95 %
Protection class IP	IP20

Design, dimensions and weight

Width	145 mm
Height	136.5 mm
Depth	69 mm
Net weight	0.95 kg
Mounting type	
<ul style="list-style-type: none"> 19-inch installation 	No
<ul style="list-style-type: none"> 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> wall mounting 	Yes
<ul style="list-style-type: none"> S7-300 rail mounting 	Yes
<ul style="list-style-type: none"> S7-1500 rail mounting 	No
<ul style="list-style-type: none"> fixed-mounted 	No

Product functions / management, configuration

Product function	
<ul style="list-style-type: none"> web-based management 	Yes
<ul style="list-style-type: none"> MIB support 	Yes
<ul style="list-style-type: none"> TRAPs via email 	Yes
<ul style="list-style-type: none"> multiport mirroring 	No
<ul style="list-style-type: none"> switch-managed 	No
Protocol / is supported	
<ul style="list-style-type: none"> SNMP v1 	Yes

Product functions / Diagnosis

Product function	
<ul style="list-style-type: none"> Error statistics 	Yes

Product functions / DHCP

Product function	
• DHCP client	Yes

Product functions / Redundancy

Product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	No
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No

Standards, specifications, approvals

Standard	
• for FM	FM3611
• for safety / from CSA and UL	UL 1950, CSA C22.2 No. 950
Certificate of suitability / CE marking	Yes
Certificate of suitability	
• C-Tick	Yes
• KC approval	No
MTBF / at 40 °C	108.85 y

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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

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