

### Product type designation

### SCALANCE X005TS

SCALANCE X005TS, IE ENTRY LEVEL SWITCH UNMANAGED 5 X 10/100MBIT/S RJ45 PORTS, EXPANDED TEMPERATURE RANGE -40 DGR C / +75 DGR C E1-CERTIFICATION LED DIAGNOSIS, IP30, 24 V DC POWER SUPPLY, PROFINET COMPLIANT SLEEVE, MANUAL AVAILABLE AS DOWNLOAD



### Transmission rate

|               |                       |
|---------------|-----------------------|
| Transfer rate | 10 Mbit/s, 100 Mbit/s |
|---------------|-----------------------|

### Interfaces / for communication / integrated

|                                                |                              |
|------------------------------------------------|------------------------------|
| Number of electrical connections               |                              |
| • for network components or terminal equipment | 5; RJ45 with securing collar |
| Number of 100 Mbit/s SC ports                  |                              |
| • for multimode                                | 0                            |
| Number of 1000 Mbit/s LC ports                 |                              |
| • for multimode                                | 0                            |
| • for single mode (LD)                         | 0                            |

### Interfaces / others

|                                  |                       |
|----------------------------------|-----------------------|
| Number of electrical connections |                       |
| • for power supply               | 1                     |
| Type of electrical connection    |                       |
| • for power supply               | 2-pole terminal block |

### Supply voltage, current consumption, power loss

|                                         |    |
|-----------------------------------------|----|
| Type of voltage / of the supply voltage | DC |
|-----------------------------------------|----|

|                                                    |              |
|----------------------------------------------------|--------------|
| Supply voltage                                     |              |
| • external                                         | 24 V         |
| • external                                         | 18 ... 32 V  |
| Product component / fusing at power supply input   | Yes          |
| Fuse protection type / at input for supply voltage | 0.5 A / 60 V |
| Consumed current / maximum                         | 0.08 A       |
| Power loss [W]                                     |              |
| • at DC / at 24 V                                  | 2 W          |

#### Permitted ambient conditions

|                                                                |                |
|----------------------------------------------------------------|----------------|
| Ambient temperature                                            |                |
| • during operation                                             | -40 ... +75 °C |
| • during storage                                               | -40 ... +80 °C |
| • during transport                                             | -40 ... +80 °C |
| Relative humidity                                              |                |
| • at 25 °C / without condensation / during operation / maximum | 95 %           |
| Protection class IP                                            | IP30           |

#### Design, dimensions and weight

|                                     |         |
|-------------------------------------|---------|
| Design                              | compact |
| Width                               | 40 mm   |
| Height                              | 125 mm  |
| Depth                               | 124 mm  |
| Net weight                          | 0.55 kg |
| Product feature / conformal coating | No      |
| Mounting type                       |         |
| • 35 mm DIN rail mounting           | Yes     |
| • wall mounting                     | Yes     |
| • S7-300 rail mounting              | Yes     |
| • S7-1500 rail mounting             | No      |

#### Product functions / management, configuration

|                       |     |
|-----------------------|-----|
| Product function      |     |
| • multiport mirroring | No  |
| • CoS                 | Yes |
| • switch-managed      | No  |

#### Product functions / Redundancy

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

#### Standards, specifications, approvals

|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Standard                                                                                                                                                                                                                                                                                                                                                                                |                                                                             |
| <ul style="list-style-type: none"> <li>• for safety / from CSA and UL</li> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>                                                                                                                                                                                                                               | UL 60950-1, CSA C22.2 No. 60950-1<br>EN 61000-6-4 (Class A)<br>EN 61000-6-2 |
| Certificate of suitability / CE marking                                                                                                                                                                                                                                                                                                                                                 | Yes                                                                         |
| Certificate of suitability                                                                                                                                                                                                                                                                                                                                                              | EN 61000-6-2, EN 61000-6-4                                                  |
| <ul style="list-style-type: none"> <li>• C-Tick</li> <li>• E1 approval</li> <li>• E1 approval</li> <li>• Railway application in accordance with EN 50155</li> <li>• KC approval</li> </ul>                                                                                                                                                                                              | Yes<br>Yes<br>Yes<br>Yes<br>Yes                                             |
| Marine classification association                                                                                                                                                                                                                                                                                                                                                       |                                                                             |
| <ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• Bureau Veritas (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Germanische Lloyd (GL)</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (NK)</li> <li>• Polski Rejestr Statkow (PRS)</li> <li>• Royal Institution of Naval Architects (RINA)</li> </ul> | Yes<br>Yes<br>Yes<br>No<br>Yes<br>Yes<br>Yes<br>Yes                         |
| MTBF / at 40 °C                                                                                                                                                                                                                                                                                                                                                                         | 167.1 y                                                                     |

#### Further Information / Internet Links

|                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Internet-Link                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a><br><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |

#### Security information

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