

SCALANCE X005, IE Entry Level Switch unmanaged 5x 10/100 Mbit/s RJ45 ports, LED diagnostics, IP30, 24 V DC power supply, PROFINET-compliant securing collars, Extended temperature range -40 °C...+75 °C, Manual available as a download



|  |                              |
|--|------------------------------|
| <b>product type designation</b>  | <b>SCALANCE X005</b>         |
| <b>transfer rate</b>   |                              |
| transfer rate  | 10 Mbit/s, 100 Mbit/s        |
| <b>interfaces / for communication / integrated</b>   |                              |
| number of electrical connections   | 5; RJ45 with securing collar |
| <ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul> |                              |
| number of 100 Mbit/s SC ports  | 0                            |
| <ul style="list-style-type: none"> <li>for multimode</li> </ul>                                |                              |
| <b>interfaces / other</b>  |                              |
| number of electrical connections   | 1                            |
| <ul style="list-style-type: none"> <li>for power supply</li> </ul>                             |                              |
| type of electrical connection  | 2-pole terminal block        |
| <ul style="list-style-type: none"> <li>for power supply</li> </ul>                             |                              |
| <b>supply voltage, current consumption, power loss</b>   |                              |
| type of voltage / 1 / of the supply voltage  | DC                           |
| <ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> </ul>             | 24 V                         |
| <ul style="list-style-type: none"> <li>power loss [W] / 1 / rated value</li> </ul>             | 2 W                          |

|  |                       |
|--|-----------------------|
| • supply voltage / 1 / rated value                     | 18 ... 32 V           |
| • consumed current / 1 / maximum                       | 0.08 A                |
| • type of electrical connection / 1 / for power supply | 2-pole terminal block |
| • product component / 1 / fusing at power supply input | Yes                   |

#### 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 weights

|                                   |         |
|-----------------------------------|---------|
| design                            | compact |
| width                             | 40 mm   |
| height                            | 125 mm  |
| depth                             | 124 mm  |
| net weight                        | 0.55 kg |
| fastening method                  |         |
| • 35 mm top hat DIN rail mounting | Yes     |
| • wall mounting                   | Yes     |
| • S7-300 rail mounting            | Yes     |
| • S7-1500 rail mounting           | No      |

#### product functions / management, configuration, engineering

|                                   |     |
|-----------------------------------|-----|
| product function                  |     |
| • multiport mirroring             | No  |
| • CoS                             | Yes |
| product function / 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                       |                                   |
| • for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 |
| • for emitted interference     | EN 61000-6-4 (Class A)            |

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>                       | EN 61000-6-2  |
| MTBF  | 167.1 y   |
| <b>standards, specifications, approvals / CE</b>  |   |
| certificate of suitability / CE marking   | Yes   |
| <b>standards, specifications, approvals / other</b>   |   |
| certificate of suitability  | EN 61000-6-2, EN 61000-6-4  |
| <ul style="list-style-type: none"> <li>• C-Tick</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>• E1 approval</li> </ul>                                     | No  |
| <ul style="list-style-type: none"> <li>• E1 approval</li> </ul>                                     | No  |
| <ul style="list-style-type: none"> <li>• railway application in accordance with EN 50155</li> </ul> | No  |
| <ul style="list-style-type: none"> <li>• KC approval</li> </ul>                                     | Yes   |
| <b>standards, specifications, approvals / marine classification</b>                                 |   |
| Marine classification association   |   |
| <ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>• French marine classification society (BV)</li> </ul>       | Yes   |
| <ul style="list-style-type: none"> <li>• DNV GL</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>• Korean Register of Shipping (KRS)</li> </ul>               | Yes   |
| <ul style="list-style-type: none"> <li>• Lloyds Register of Shipping (LRS)</li> </ul>               | Yes   |
| <ul style="list-style-type: none"> <li>• Polski Rejestr Statkow (PRS)</li> </ul>                    | Yes   |
| <ul style="list-style-type: none"> <li>• Royal Institution of Naval Architects (RINA)</li> </ul>    | Yes   |
| <b>further information / internet-Links</b>   |   |
| Internet-Link   |   |
| <ul style="list-style-type: none"> <li>• to website: Selector TIA Selection Tool</li> </ul>         | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>                               |
| <ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>            | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                 |
| <ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>                       | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| <ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>     | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| <ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>                      | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>             |
| <ul style="list-style-type: none"> <li>• to website: CAx-Download-Manager</li> </ul>                | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                 |
| <ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>             | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>             |
| <b>security information</b>   |   |

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