

MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SCALANCE

## 6GK5208-0GA00-2TC2

MANAGED ETHERNET SWITCH

Used with the applicable SCALANCE XC-200 switches configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation



Figure similar

SCALANCE XC208G (E/IP) manageable Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100/1000 Mbps RJ45 ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall; redundancy functions; office features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant C-PLUG slot; default EtherNet/IP. IEEE 1588v2 PTP

|                                                                                   |                                    |
|-----------------------------------------------------------------------------------|------------------------------------|
| <b>product type designation</b>                                                   | <b>SCALANCE XC208G (E/IP def.)</b> |
| <b>transfer rate</b>                                                              |                                    |
| transfer rate                                                                     | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| <b>interfaces / for communication / maximum configuration for modular devices</b> |                                    |
| number of electrical ports / maximum                                              | 8                                  |
| <b>interfaces / for communication / integrated</b>                                |                                    |
| number of electrical connections                                                  |                                    |
| • for network components or terminal equipment                                    | 8; RJ45                            |
| number of 10/100/1000 Mbit/s RJ45 ports / integrated                              |                                    |
| • with securing collar                                                            | 8                                  |
| <b>interfaces / other</b>                                                         |                                    |
| number of electrical connections                                                  |                                    |
| • for operator console                                                            | 1                                  |
| • for signaling contact                                                           | 1                                  |
| • for power supply                                                                | 1                                  |
| type of electrical connection                                                     |                                    |
| • for operator console                                                            | RJ11                               |
| • for signaling contact                                                           | 2-pole terminal block              |
| • for power supply                                                                | 4-pole terminal block              |
| design of the removable storage                                                   |                                    |
| • C-PLUG                                                                          | Yes                                |
| <b>signal inputs/outputs</b>                                                      |                                    |
| operating voltage / of the signaling contacts                                     |                                    |
| • at DC / rated value                                                             | 24 V                               |
| operational current / of the signaling contacts                                   |                                    |
| • at DC / maximum                                                                 | 0.1 A                              |
| <b>supply voltage, current consumption, power loss</b>                            |                                    |
| product component / connection for redundant voltage supply                       | Yes                                |
| <b>type of voltage / 1 / of the supply voltage</b>                                | DC                                 |
| • supply voltage / 1 / rated value                                                | 24 V                               |
| • power loss [W] / 1 / rated value                                                | 4.3 W                              |
| • consumed current / 1 / at rated supply voltage / maximum                        | 0.26 A                             |
| • supply voltage / 1 / rated value                                                | 9.6 ... 31.2 V                     |
| • consumed current / 1 / maximum                                                  | 0.36 A                             |
| • type of electrical connection / 1 / for power supply                            | 4-pole terminal block              |
| • product component / 1 / fusing at power supply input                            | Yes                                |
| • fuse protection type / 1 / at input for supply voltage                          | 2.5 A / 125 V                      |
| <b>ambient conditions</b>                                                         |                                    |

|                                                                |                |
|----------------------------------------------------------------|----------------|
| ambient temperature                                            |                |
| • during operation                                             | -40 ... +70 °C |
| • during storage                                               | -40 ... +85 °C |
| • during transport                                             | -40 ... +85 °C |
| relative humidity                                              |                |
| • at 25 °C / without condensation / during operation / maximum | 95 %           |
| protection class IP                                            | IP20           |

#### design, dimensions and weights

|                                   |                                                      |
|-----------------------------------|------------------------------------------------------|
| design                            | compact                                              |
| width                             | 60 mm                                                |
| height                            | 147 mm                                               |
| depth                             | 125 mm                                               |
| net weight                        | 0.52 kg                                              |
| material / of the enclosure       | Polycarbonate (PC-GF10) / pressure die cast aluminum |
| fastening method                  |                                                      |
| • 35 mm top hat DIN rail mounting | Yes                                                  |
| • wall mounting                   | Yes                                                  |
| • S7-300 rail mounting            | Yes                                                  |
| • S7-1500 rail mounting           | Yes                                                  |

#### product features, product functions, product components / general

|                                                                                 |                                                 |
|---------------------------------------------------------------------------------|-------------------------------------------------|
| cascading in the case of a redundant ring / at reconfiguration time of <1~0.3~s | 50                                              |
| cascading in cases of star topology                                             | any (depending only on signal propagation time) |
| product function / QoS according to DSCP                                        | Yes                                             |
| product feature                                                                 |                                                 |
| • Cut Through switching method                                                  | No                                              |
| • Store & Forward switching method                                              | Yes                                             |

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

|                                                        |            |
|--------------------------------------------------------|------------|
| product function                                       |            |
| • CLI                                                  | Yes        |
| • web-based management                                 | Yes        |
| • MIB support                                          | Yes        |
| • TRAPs via email                                      | Yes        |
| • configuration with STEP 7                            | Yes        |
| • RMON                                                 | Yes        |
| • SMTP server                                          | No         |
| • port mirroring                                       | Yes        |
| • multiport mirroring                                  | Yes        |
| • CoS                                                  | Yes        |
| • PROFINET IO diagnosis                                | Yes        |
| PROFINET conformity class                              | B          |
| network load class / according to PROFINET             | 3          |
| product function / switch-managed                      | Yes        |
| telegram length / for Ethernet / maximum               | 10240 byte |
| protocol / is supported                                |            |
| • Telnet                                               | Yes        |
| • HTTP                                                 | Yes        |
| • HTTPS                                                | Yes        |
| • TFTP                                                 | Yes        |
| • BOOTP                                                | No         |
| • GMRP                                                 | Yes        |
| • DCP                                                  | Yes        |
| • LLDP                                                 | Yes        |
| • EtherNet/IP                                          | Yes        |
| • SNMP v1                                              | Yes        |
| • SNMP v2                                              | Yes        |
| • SNMP v3                                              | Yes        |
| • IGMP (snooping/querier)                              | Yes        |
| identification & maintenance function                  |            |
| • I&M0 - device-specific information                   | Yes        |
| • I&M1 - higher level designation/location designation | Yes        |

#### product functions / diagnostics