SIEMENS

Data sheet

6ES7515-2AN03-0AB0



SIMATIC S7-1500, CPU 1515-2 PN, central processing unit with work memory 1 MB for program and 4.5 MB for data, 1st interface: PROFINET IRT with 2-port switch, 2nd interface: PROFINET RT, 6 ns bit performance, SIMATIC Memory Card required - - approvals and certificates according to entry 109817466 at support.industry.siemens.com to be considered! - -

| Center Information Product type designation CPU 1515-2 PN HW functional status FS04 • FW update possible Yes Product type designation Yes Product function Yes • Isochronous mode Yes • Isochronous mode Yes • SysLog Yes Engineering with Yes • STEP 7 TIA Portal configurable/integrated from version V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control versions as 6ES7515-2AM02-0AB0 Control elements Yes Number of keys 8 Mode buttons 2 Supply voltage 2 Rated value (DC) 192 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Repeat rate, min. 1/s Input consumption (rated value) 0.65 A Current consumption (max. 1.03 A Inrush current, max. 1.15 A; Rated value <tr< th=""><th></th><th></th></tr<> | | |
|--|--|-----------------------|
| HW functional status FS04 Firmware version V4.0 • FW update possible Yes Product function Yes; I&M0 to I&M3 • I &M data Yes; IbM0 to I&M3 • I sochronous mode Yes; Distributed and central; with minimum OB 6x cycle of 375 µs (distributed) and 1 ms (central) • SysLog Yes Engineering with V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Control elements Number of keys Number of keys 8 Reted value (DC) 24 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms <th>General information</th> <th></th> | General information | |
| Firmware version V4.0 • FW update possible Yes Product function Yes • i&M data Yes; I&MO to i&M3 • isochronous mode Yes; Distributed and central; with minimum OB 6x cycle of 375 µs (distributed) and 1 ms (central) • SysLog Yes Engineering with V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7615-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7615-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7615-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7615-2AM02-0AB0 Control clements Ves Screen diagonal [cm] 6.1 cm Control clements 2 Number of keys 8 Mode buttons 2 Supply voltage 2 Rated value (DC) 24 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current 10.3 A Current consumption (rated value) 0.65 A Cu | | |
| • FW update possible Yes Product function ************************************ | | |
| Product function Yes; I&M0 to I&M3 • I&M data Yes; I&M0 to I&M3 • Isochronous mode Yes; Distributed and central; with minimum OB 6x cycle of 375 µs (distributed) and 1 ms (central) • SysLog Yes Engineering with Yes • STEP 7 TIA Portal configurable/integrated from version V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0A80 Configuration control versions as 6ES7515-2AM02-0A80 Control elements Yes Number of keys 8 Mode buttons 2 Supply voltage 2 Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Alarisvoltage failure stored energy time 5 ms • Repeat rate, min. 1/3 Invush current, max. 1.15 A; Rated value Prit 0.6 A*s Power consumption from the backplane bus (balanced) 6.2 W | | |
| • I&M data Yes; I&M0 to I&M3 • Isochronous mode Yes; Distributed and central; with minimum OB 6x cycle of 375 µs (distributed) and 1 ms (central) • SysLog Yes Engineering with V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Control dements Number of keys Number of keys 8 Mode buttons 2 Supply voltage Reter value (DC) permissible range, lower limit (DC) 28.8 V Permissible range, lower limit (DC) 28.8 V Reverse polarity protection Yes • Mains volfreing 5 ms • Repeat rate, min | | Yes |
| • Isochronous mode Yes; Distributed and central; with minimum OB 6x cycle of 375 µs (distributed) and 1 ms (central) • SysLog Yes Engineering with V20 (FW V4.0) /V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control V20 (FW V4.0) /V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control Ves via dataset Yes Display Screen diagonal [cm] Control elements Control elements Number of keys 8 Mode buttons 2 Supply voltage Rated value (DC) permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Irush current 1.03 A Inrush current, max. 1.04 x Power consumption from the backplane bus 12 W | | |
| and 1 ms (central) • SysLog Yes Engineering with V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control versions as 6ES7515-2AM02-0AB0 Via dataset Yes Display Screen diagonal [cm] Screen diagonal [cm] 6.1 cm Control elements 8 Mode buttons 2 Supply voltage 8 Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Repeat rate, min. 1/s Input current Current consumption (rated value) Current consumption (rated value) 0.65 A Current consumption (rated value) 1.03 A Invish current, max. 1.15 A; Rated value IP 0.64*s Power 12 W Power consumption from the backplane bus (balanced) 6.2 W | ● I&M data | Yes; I&M0 to I&M3 |
| Engineering with • STEP 7 TIA Portal configurable/integrated from version V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control versions as 6ES7515-2AM02-0AB0 Via dataset Yes Display 6.1 cm Control elements Number of keys Number of keys 8 Mode buttons 2 Supply voltage 2 Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 rms • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value IP 0.64 x/s Power | Isochronous mode | |
| • STEP 7 TIA Portal configurable/integrated from version V20 (FW V4.0) / V18 (FW V3.0) or higher; configurable with older TIA Portal versions as 6ES7515-2AM02-0AB0 Configuration control via dataset Yes Display Screen diagonal [cm] 6.1 cm Control elements 8 Mode buttons 2 Supply voltage 8 Mode buttons 2 Rated value (DC) 24 V 9 9 permissible range, lower limit (DC) 19.2 V 9 9 Mains buffering 5 ms 6 ms 6 • Mains/voltage failure stored energy time 5 ms 5 ms 6 ms Current consumption (rated value) 0.65 A 2 2 Current consumption, max. 1.03 A 1.03 A 1.03 A Inrush current, max. 1.15 A; Rated value 14 6 A?*s Power 0 6.2 W 2 2 | • SysLog | Yes |
| Versions as 6ES7515-2AM02-0AB0 Configuration control via dataset Yes Display Screen diagonal [cm] 6.1 cm Control elements 8 Mumber of keys 8 3 Mode buttons 2 2 Supply voltage 7 7 Rated value (DC) 24 V 9 permissible range, lower limit (DC) 19.2 V 9 permissible range, upper limit (DC) 28.8 V 7 Reverse polarity protection Yes 7 Mains buffering 5 ms 6 7 • Mains/voltage failure stored energy time 5 ms 6 7 Current consumption (rated value) 0.65 A 7 7 Input current 1.03 A 1.03 A 1.01 A/2 7 Power 1.15 A/2 7 8 2 9 Power consumption from the backplane bus (balanced) 6.2 W 2 W | Engineering with | |
| via dataset Yes Display Screen diagonal [cm] 6.1 cm Control elements 8 Number of keys 8 Mode buttons 2 Supply voltage 2 Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value Pt 0.6 A ² ·s Power Infeed power to the backplane bus Infeed power to the backplane bus (balanced) 6.2 W | STEP 7 TIA Portal configurable/integrated from version | |
| Display Screen diagonal [cm] 6.1 cm Control elements Number of keys 8 Mode buttons 2 Supply voltage Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current, max. 1.15 A; Rated value Ind 0.6 A²-s Power 12 W Power consumption from the backplane bus (balanced) 6.2 W | Configuration control | |
| Screen diagonal [cm] 6.1 cm Control elements 8 Number of keys 8 Mode buttons 2 Supply voltage 2 Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Mains/voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current Current consumption (rated value) Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I*t 0.6 A²-s Power Infeed power to the backplane bus Infeed power to the backplane bus (balanced) 6.2 W | via dataset | Yes |
| Control elements Number of keys 8 Mode buttons 2 Supply voltage 2 Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering • • Mains/voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current Current consumption (rated value) Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I*t 0.66 A²-s Power Infeed power to the backplane bus Infeed power to the backplane bus (balanced) 6.2 W | Display | |
| Number of keys 8 Mode buttons 2 Supply voltage 3 Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Mains/voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I* 0.6 A²-s Power 12 W Power to the backplane bus (balanced) 6.2 W | Screen diagonal [cm] | 6.1 cm |
| Mode buttons 2 Supply voltage 24 V Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Mains/voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current, max. 1.15 A; Rated value I*t 0.6 A²-s Power 112 W Power to the backplane bus (balanced) 6.2 W | Control elements | |
| Supply voltage Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Mains/voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current, max. 1.03 A Inrush current, max. 1.15 A; Rated value I*t 0.6 A²-s Power 112 W Power to the backplane bus 12 W Power consumption from the backplane bus (balanced) 6.2 W | Number of keys | 8 |
| Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering | Mode buttons | 2 |
| permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering 5 ms • Mains/voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current, max. 1.03 A Inrush current, max. 1.15 A; Rated value I ² t 0.6 A ² ·s Power 12 W Power consumption from the backplane bus (balanced) 6.2 W | Supply voltage | |
| permissible range, upper limit (DC) 28.8 V Reverse polarity protection Yes Mains buffering • Mains/voltage failure stored energy time • Mains/voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current 1/s Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I ² t 0.6 A ² s Power Infeed power to the backplane bus Infeed power to the backplane bus (balanced) 6.2 W | Rated value (DC) | 24 V |
| Reverse polarity protection Yes Mains buffering 5 ms • Mains/voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I ² t 0.6 A ² ·s Power 12 W Power consumption from the backplane bus (balanced) 6.2 W | permissible range, lower limit (DC) | 19.2 V |
| Mains buffering • Mains/voltage failure stored energy time 5 ms • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I²t 0.6 A²-s Power 12 W Power consumption from the backplane bus (balanced) 6.2 W | permissible range, upper limit (DC) | 28.8 V |
| Mains/voltage failure stored energy time 5 ms Repeat rate, min. 1/s Input current Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I ² t 0.6 A ² ·s Power Infeed power to the backplane bus (balanced) 6.2 W | Reverse polarity protection | Yes |
| • Repeat rate, min. 1/s Input current 0.65 A Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I²t 0.6 A²·s Power Infeed power to the backplane bus Infeed power to the backplane bus (balanced) 12 W Power consumption from the backplane bus (balanced) 6.2 W | Mains buffering | |
| Input current Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I²t 0.6 A²-s Power Infeed power to the backplane bus Infeed power consumption from the backplane bus (balanced) 12 W | Mains/voltage failure stored energy time | 5 ms |
| Current consumption (rated value) 0.65 A Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I²t 0.6 A²·s Power Infeed power to the backplane bus Infeed power consumption from the backplane bus (balanced) 12 W | • Repeat rate, min. | 1/s |
| Current consumption, max. 1.03 A Inrush current, max. 1.15 A; Rated value I²t 0.6 A²·s Power Infeed power to the backplane bus Infeed power to the backplane bus (balanced) 12 W Power consumption from the backplane bus (balanced) 6.2 W | Input current | |
| Inrush current, max. 1.15 A; Rated value I²t 0.6 A²·s Power Infeed power to the backplane bus Infeed power consumption from the backplane bus (balanced) 12 W 6.2 W 6.2 W | Current consumption (rated value) | 0.65 A |
| I ² t 0.6 A ² ·s Power Infeed power to the backplane bus Infeed power consumption from the backplane bus (balanced) 12 W 6.2 W | Current consumption, max. | 1.03 A |
| Power 12 W Infeed power to the backplane bus 12 W Power consumption from the backplane bus (balanced) 6.2 W | Inrush current, max. | 1.15 A; Rated value |
| Infeed power to the backplane bus 12 W Power consumption from the backplane bus (balanced) 6.2 W | l²t | 0.6 A ² ·s |
| Power consumption from the backplane bus (balanced) 6.2 W | Power | |
| | Infeed power to the backplane bus | 12 W |
| | Power consumption from the backplane bus (balanced) | 6.2 W |
| | Power loss | |

| Power loss two | 2.6 \\/ |
|--|---|
| Power loss, typ. | 3.6 W |
| Memory | |
| Number of slots for SIMATIC memory card | 1 |
| SIMATIC memory card required | Yes |
| Work memory | |
| integrated (for program) | 1 Mbyte |
| integrated (for data) | 4.5 Mbyte |
| Load memory | |
| Plug-in (SIMATIC Memory Card), max. | 32 Gbyte |
| Backup | |
| maintenance-free | Yes |
| CPU processing times | |
| for bit operations, typ. | 6 ns |
| for word operations, typ. | 7 ns |
| for fixed point arithmetic, typ. | 9 ns |
| for floating point arithmetic, typ. | 37 ns |
| CPU-blocks | |
| Number of elements (total) | 8 000; Blocks (OB, FB, FC, DB) and UDTs |
| DB | |
| Number range | 1 60 999; subdivided into: number range that can be used by the user: 1 |
| | 59 999, and number range of DBs created via SFC 86: 60 000 60 999 |
| • Size, max. | 4.5 Mbyte; For DBs with absolute addressing, the max. size is 64 KB |
| FB | |
| Number range | 0 65 535 |
| • Size, max. | 1 Mbyte |
| FC | |
| Number range | 0 65 535 |
| • Size, max. | 1 Mbyte |
| OB | |
| • Size, max. | 1 Mbyte |
| Number of free cycle OBs | 100 |
| Number of time alarm OBs | 20 |
| Number of delay alarm OBs | 20 |
| Number of cyclic interrupt OBs | 20; With minimum OB 3x cycle of 250 µs |
| Number of process alarm OBs | 50 |
| Number of DPV1 alarm OBs | 3 |
| Number of isochronous mode OBs | 2 |
| Number of technology synchronous alarm OBs | 2 |
| Number of startup OBs | 100 |
| Number of asynchronous error OBs | 4 |
| Number of synchronous error OBs | 2 |
| Number of diagnostic alarm OBs | 1 |
| Nesting depth | |
| per priority class | 24 |
| Counters, timers and their retentivity | |
| S7 counter | |
| • Number | 2 048 |
| Retentivity | |
| — adjustable | Yes |
| IEC counter | |
| • Number | Any (only limited by the main memory) |
| Retentivity | |
| — adjustable | Yes |
| S7 times | |
| Number | 2 048 |
| Retentivity | 2010 |
| — adjustable | Yes |
| IEC timer | 100 |
| | Any (only limited by the main memory) |
| Number Potoptivity | Any (only limited by the main memory) |
| Retentivity | Voc |
| — adjustable | Yes |

| Data areas and their retentivity | |
|---|---|
| Retentive data area (incl. timers, counters, flags), max. | 512 kbyte; In total; available retentive memory for bit memories, timers, |
| Extended retentive data area (incl. timera acustora flace) | counters, DBs, and technology data (axes): 472 KB |
| Extended retentive data area (incl. timers, counters, flags), max | 4.5 Mbyte; When using PS 6 0W 24/48/60 V DC HF |
| Flag | |
| • Size, max. | 16 kbyte |
| Number of clock memories | 8; 8 clock memory bit, grouped into one clock memory byte |
| Data blocks | |
| Retentivity adjustable | Yes |
| Retentivity preset | No |
| Local data | |
| per priority class, max. | 64 kbyte; max. 16 KB per block |
| Address area | |
| Number of IO modules | 8 192; max. number of modules / submodules |
| I/O address area | |
| Inputs | 32 kbyte; All inputs are in the process image |
| Outputs | 32 kbyte; All outputs are in the process image |
| per integrated IO subsystem | |
| — Inputs (volume) | 8 kbyte |
| — Outputs (volume) | 8 kbyte |
| per CM/CP | |
| — Inputs (volume) | 8 kbyte |
| — Outputs (volume) | 8 kbyte |
| Subprocess images | |
| Number of subprocess images, max. | 32 |
| Hardware configuration | |
| Number of distributed IO systems | 64: A distributed 1/O system is characterized not only by the integration of |
| Number of distributed to systems | 64; A distributed I/O system is characterized not only by the integration of distributed I/O via PROFINET or PROFIBUS communication modules, but also by the connection of I/O via AS-i master modules or links (e.g. IE/PB-Link) |
| Number of DP masters | |
| • Via CM | 8; A maximum of 8 CMs/CPs (PROFIBUS, PROFINET, Ethernet) can be inserted in total |
| Number of IO Controllers | |
| integrated | 2 |
| • Via CM | 8; A maximum of 8 CMs/CPs (PROFIBUS, PROFINET, Ethernet) can be |
| | inserted in total |
| Rack | |
| Modules per rack, max. | 32; CPU + 31 modules |
| Number of lines, max. | 1 |
| PtP CM | |
| Number of PtP CMs | the number of connectable PtP CMs is only limited by the number of available slots |
| Time of day | |
| Clock | |
| • Туре | Hardware clock |
| Backup time | 6 wk; At 40 °C ambient temperature, typically |
| Deviation per day, max. | 10 s; Typ.: 2 s |
| Operating hours counter | |
| Number | 16 |
| Clock synchronization | |
| • supported | Yes |
| • to DP, master | Yes; via PROFIBUS CM / CP |
| | |
| • on DP, device | Yes; via PROFIBUS CM / CP |
| • in AS, master | Yes |
| • in AS, device | Yes |
| on Ethernet via NTP | Yes |
| nterfaces | |
| Number of PROFINET interfaces | 2 |
| I. Interface | |
| | |
| Interface types | |
| Interface types • RJ 45 (Ethernet) | Yes; X1 |

| integrated switch | Yes | | |
|---|--|--|--|
| Protocols | | | |
| IP protocol | Yes; IPv4 | | |
| PROFINET IO Controller | Yes | | |
| PROFINET IO Device | Yes | | |
| SIMATIC communication | Yes | | |
| Open IE communication | Yes; Optionally also encrypted | | |
| Web server | Yes | | |
| Media redundancy | Yes | | |
| PROFINET IO Controller | | | |
| Services | | | |
| — Isochronous mode | Yes | | |
| | | | |
| — Direct data exchange — IRT | Yes; Requirement: IRT and isochronous mode (MRPD optional) Yes | | |
| — PROFlenergy | | | |
| — Prioritized startup | Yes; per user program | | |
| | Yes; Max. 32 PROFINET devices | | |
| - Number of connectable IO Devices, max. | 256; in total, up to 1024 distributed I/O devices can be connected via AS-i, PROFIBUS or PROFINET | | |
| — Of which IO devices with IRT, max. | 64 | | |
| Number of connectable IO Devices for RT, max. | 256 | | |
| — of which in line, max. | 256 | | |
| Number of IO Devices that can be simultaneously activated/deactivated, max. | 8; in total across all interfaces | | |
| Number of IO Devices per tool, max. | 8 | | |
| — Updating times | The minimum value of the update time also depends on communication share set for PROFINET IO, on the number of IO devices, and on the quantity of configured user data | | |
| — PROFINET Security Class | 1 | | |
| Update time for IRT | | | |
| — for send cycle of 250 μs | 250 μ s to 4 ms; Note: In the case of IRT with isochronous mode, the minimum update time of 375 μ s of the isochronous OB is decisive | | |
| — for send cycle of 500 μs | 500 µs to 8 ms | | |
| — for send cycle of 1 ms | 1 ms to 16 ms | | |
| - for send cycle of 2 ms | 2 ms to 32 ms | | |
| — for send cycle of 4 ms | 4 ms to 64 ms | | |
| — With IRT and parameterization of "odd" send cycles | Update time = set "odd" send clock (any multiple of 125 $\mu s:$ 375 $\mu s,$ 625 μs 3 875 $\mu s)$ | | |
| Update time for RT | | | |
| — for send cycle of 250 µs | 250 µs to 128 ms | | |
| — for send cycle of 500 μs | 500 µs to 256 ms | | |
| — for send cycle of 1 ms | 1 ms to 512 ms | | |
| — for send cycle of 2 ms | 2 ms to 512 ms | | |
| — for send cycle of 4 ms | 4 ms to 512 ms | | |
| PROFINET IO Device | | | |
| Services | | | |
| — Isochronous mode | No | | |
| — IRT | Yes | | |
| - PROFlenergy | Yes; per user program | | |
| — Shared device | Yes | | |
| - Number of IO Controllers with shared device, max. | 4 | | |
| - activation/deactivation of I-devices | Yes; per user program | | |
| — Asset management record | Yes; per user program | | |
| — PROFINET Security Class | SNMP Configuration and DCP Read Only | | |
| 2. Interface | | | |
| Interface types | | | |
| RJ 45 (Ethernet) | Yes; X2 | | |
| Number of ports | 1 | | |
| integrated switch | No | | |
| Protocols | | | |
| IP protocol | Yes; IPv4 | | |
| PROFINET IO Controller | Yes | | |
| PROFINET IO Device | Yes | | |
| | | | |

| | N | | | |
|---|--|--|--|--|
| SIMATIC communication | Yes | | | |
| Open IE communication | Yes; Optionally also encrypted | | | |
| Web server | Yes | | | |
| Media redundancy | No | | | |
| PROFINET IO Controller | | | | |
| Services | | | | |
| — Isochronous mode | No | | | |
| — Direct data exchange | No | | | |
| — IRT | No | | | |
| — PROFlenergy | Yes; per user program | | | |
| — Prioritized startup | No | | | |
| — Number of connectable IO Devices, max. | 32; in total, up to 1024 distributed I/O devices can be connected via AS-i, PROFIBUS or PROFINET | | | |
| — Number of connectable IO Devices for RT, max. | 32 | | | |
| — of which in line, max. | 32 | | | |
| — Number of IO Devices that can be simultaneously activated/deactivated, max. | 8; in total across all interfaces | | | |
| - Number of IO Devices per tool, max. | 8 | | | |
| — Updating times | The minimum value of the update time also depends on communication share set for PROFINET IO, on the number of IO devices, and on the quantity of configured user data | | | |
| - PROFINET Security Class | 1 | | | |
| Update time for RT | | | | |
| — for send cycle of 1 ms | 1 ms to 512 ms | | | |
| PROFINET IO Device | | | | |
| Services | | | | |
| — Isochronous mode | No | | | |
| — IRT | No | | | |
| — PROFlenergy | Yes; per user program | | | |
| — Prioritized startup | No | | | |
| — Shared device | Yes | | | |
| — Number of IO Controllers with shared device, max. | 4 | | | |
| - activation/deactivation of I-devices | Yes; per user program | | | |
| — Asset management record | Yes; per user program | | | |
| — PROFINET Security Class | SNMP Configuration and DCP Read Only | | | |
| Interface types | | | | |
| RJ 45 (Ethernet) | | | | |
| | Yes | | | |
| 100 Mbps Autonegotiation | Yes | | | |
| | | | | |
| Autocrossing | Yes | | | |
| Industrial Ethernet status LED | Yes | | | |
| Protocols | | | | |
| PROFIsafe | No | | | |
| Number of connections | | | | |
| Number of connections, max. | 256; via integrated interfaces of the CPU and connected CPs / CMs | | | |
| Number of connections reserved for ES/HMI/web | 10 | | | |
| Number of connections via integrated interfaces | 128 | | | |
| Number of S7 routing paths | 16 | | | |
| Redundancy mode | | | | |
| H-Sync forwarding | Yes | | | |
| Media redundancy | | | | |
| — Media redundancy | only via 1st interface (X1) | | | |
| — MRP | Yes; MRP Automanager according to IEC 62439-2 Edition 2.0, MRP Manager; MRP Client | | | |
| - MRP interconnection, supported | Yes; as MRP ring node according to IEC 62439-2 Edition 3.0 | | | |
| - MRPD | Yes; Requirement: IRT | | | |
| — Switchover time on line break, typ. | 200 ms; For MRP, bumpless for MRPD | | | |
| — Number of stations in the ring, max. | 50 | | | |
| SIMATIC communication | | | | |
| PG/OP communication | Yes; encryption with TLS V1.3 pre-selected | | | |
| S7 routing | Yes | | | |
| Data record routing | Yes | | | |
| · Data roota roating | | | | |

| S7 communication, as server | Yes |
|--|---|
| S7 communication, as client | Yes |
| User data per job, max. | See online help (S7 communication, user data size) |
| Open IE communication | |
| • TCP/IP | Yes |
| — Data length, max. | 64 kbyte |
| — several passive connections per port, supported | Yes |
| ISO-on-TCP (RFC1006) | Yes |
| — Data length, max. | 64 kbyte |
| • UDP | Yes |
| — Data length, max. | 2 kbyte; 1 472 bytes for UDP broadcast |
| — UDP multicast | Yes; max. 118 multicast circuits |
| • DHCP | Yes |
| • DNS | Yes |
| • SNMP | Yes |
| • DCP | Yes |
| • LLDP | Yes |
| Encryption | Yes; Optional |
| Web server | |
| • HTTP | Yes; Standard and user pages |
| • HTTPS | Yes; Standard and user pages |
| • web API | 400 |
| — Number of sessions, max. | 100 |
| — number of simultaneous HTTP calls, max. | 4 121.072 bits |
| — HTTP request body, max. OPC UA | 131 072 byte |
| Runtime license required | Yes; "Medium" license required |
| OPC UA Client | Yes; Data Access (registered Read/Write), Method Call |
| Application authentication | Yes |
| — Security policies | Available security policies: None, Basic128Rsa15, Basic256Rsa15, |
| | Basic256Sha256 |
| — User authentication | "anonymous" or by user name & password |
| Number of connections, max. | 10 |
| — Number of nodes of the client interfaces, recommended max. | 2 000 |
| — Number of elements for one call of OPC_UA_NodeGetHandleList/OPC_UA_ReadList/OPC_I max. | 300 |
| — Number of elements for one call of OPC_UA_NameSpaceGetIndexList, max. | 20 |
| — Number of elements for one call of OPC_UA_MethodGetHandleList, max. | 100 |
| — Number of simultaneous calls of the client instructions for session management, per connection, max. | 1 |
| — Number of simultaneous calls of the client instructions for data access, per connection, max. | 5 |
| — Number of registerable nodes, max. | 5 000 |
| — Number of registerable method calls of OPC_UA_MethodCall, max. | 100 |
| — Number of inputs/outputs when calling OPC_UA_MethodCall, max. | 20 |
| OPC UA Server | Yes; data access (read, write, subscribe), method call, alarms & condition (A&C), custom address space, role-based access control |
| Application authentication | Yes |
| — Security policies | available security policies: None, Basic128Rsa15, Basic256Rsa15, Basic256Sha256, Aes128Sha256RsaOaep, Aes256Sha256RsaPss |
| — User authentication | "anonymous" or by user name & password |
| — GDS support (certificate management) | Yes |
| - Number of sessions, max. | 48 |
| Number of accessible variables, max. | 100 000 |
| — Number of registerable nodes, max. | 20 000 |
| Number of subscriptions per session, max. Sampling interval min | 50 100 ms |
| — Sampling interval, min. | 100 ms |
| Publishing interval, min. | 100 ms |

| — Number of server methods, max. | 50; max. 20 concurrently running jobs each for asynchronous instructions OPC_UA_ServerMethodPre and OPC_UA_ServerMethodPost |
|---|--|
| - Number of inputs/outputs per server method, max. | |
| Number of monitored items, recommended max. | |
| | 4 000; for 1 s sampling interval and 1 s send interval |
| Number of server interfaces, max. | 10 of each "Server interfaces" / "Companion specification" type and 20 of the type "Reference namespace" |
| Number of nodes for user-defined server interfaces, | 30 000 |
| max. | |
| Alarms and Conditions | Yes |
| — Number of program alarms | 200 |
| Number of alarms for system diagnostics | 100 |
| Further protocols | |
| • MODBUS | Yes; MODBUS TCP |
| S7 message functions | |
| Number of login stations for message functions, max. | 64 |
| number of subscriptions, max. | 500 |
| number of tags/attributes for subscriptions, max. | 8 000 |
| Program alarms | Yes |
| Number of configurable program messages, max. | 10 000; Program messages are generated by the "Program_Alarm" block, |
| Number of leadable program messages in DUNL man | ProDiag or GRAPH |
| Number of loadable program messages in RUN, max. | 10 000 |
| Number of simultaneously active program alarms | 4 000 |
| Number of program alarms | 1 000 |
| Number of alarms for system diagnostics | 200 |
| Number of alarms for motion technology objects | 160 |
| Test commissioning functions | |
| Joint commission (Team Engineering) | Yes; Parallel online access possible for up to 8 engineering systems |
| Status block | Yes; Up to 8 simultaneously (in total across all ES clients) |
| Single step | No |
| Number of breakpoints | 8 |
| Profiling | Yes |
| Status/control | |
| Status/control variable | Yes |
| Variables | Inputs/outputs, memory bits, DBs, distributed I/Os, timers, counters |
| • valiables | |
| Number of variables, max. | |
| | 200; per job |
| Number of variables, max. | |
| Number of variables, max. — of which status variables, max. | 200; per job |
| Number of variables, max. — of which status variables, max. — of which control variables, max. | 200; per job |
| Number of variables, max. — of which status variables, max. — of which control variables, max. Forcing | 200; per job 200; per job |
| Number of variables, max. — of which status variables, max. — of which control variables, max. Forcing Forcing | 200; per job 200; per job Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. Forcing Forcing Forcing, variables | 200; per job 200; per job Yes Peripheral inputs/outputs |
| Number of variables, max. of which status variables, max. of which control variables, max. Forcing Forcing Forcing, variables Number of variables, max. | 200; per job 200; per job Yes Peripheral inputs/outputs |
| Number of variables, max. of which status variables, max. of which control variables, max. Forcing Forcing Forcing, variables Number of variables, max. Diagnostic buffer | 200; per job 200; per job Yes Peripheral inputs/outputs 200 |
| Number of variables, max. of which status variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. Forcing Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 |
| Number of variables, max. of which status variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 |
| Number of variables, max. of which status variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 |
| Number of variables, max. of which status variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 |
| Number of variables, max. of which status variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte Yes Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED MAINT LED | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte Yes Yes Yes Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED MAINT LED STOP ACTIVE LED | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte Yes Yes Yes Yes Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED MAINT LED STOP ACTIVE LED Connection display LINK TX/RX | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte Yes Yes Yes Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED MAINT LED STOP ACTIVE LED Connection display LINK TX/RX | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 512 kbyte Yes Yes Yes Yes Yes Yes Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED MAINT LED STOP ACTIVE LED Connection display LINK TX/RX | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte Yes Yes Yes Yes Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED MAINT LED STOP ACTIVE LED Connection display LINK TX/RX | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte Yes Yes Yes Yes Yes Yes Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer Present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED STOP ACTIVE LED Connection display LINK TX/RX Supported technology objects Motion Control | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte Yes Yes Yes Yes Yes Yes Yes Yes Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED MAINT LED STOP ACTIVE LED Connection display LINK TX/RX Supported technology objects Motion Control Number of available Motion Control resources for | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte Yes Yes Yes Yes Yes Yes Yes Yes Yes |
| Number of variables, max. of which status variables, max. of which control variables, max. of which control variables, max. Forcing Forcing, variables Number of variables, max. Diagnostic buffer present Number of entries, max. of which powerfail-proof Traces Number of configurable Traces Memory size per trace, max. Interrupts/diagnostics/status information Diagnostics indication LED RUN/STOP LED ERROR LED STOP ACTIVE LED Connection display LINK TX/RX Supported technology objects Motion Control Number of available Motion Control resources for technology objects | 200; per job 200; per job Yes Peripheral inputs/outputs 200 Yes 3 200 500 4 4 512 kbyte Yes Yes Yes Yes Yes Yes Yes Yes Yes |

| — per positioning axis | 80 |
|---|--|
| — per synchronous axis | 160 |
| — per external encoder | 80 |
| — per output cam | 20 |
| — per cam track | 160 |
| — per probe | 40 |
| Positioning axis | |
| — Number of positioning axes at motion control cycle | 11 |
| of 4 ms (typical value) | |
| Number of positioning axes at motion control cycle | 20 |
| of 8 ms (typical value) | |
| Controller | |
| PID_Compact | Yes; Universal PID controller with integrated optimization |
| PID_3Step | Yes; PID controller with integrated optimization for valves |
| PID-Temp | Yes; PID controller with integrated optimization for temperature |
| Counting and measuring | |
| High-speed counter | Yes |
| Standards, approvals, certificates | |
| Siemens Eco Profile (SEP) | Siemens EcoTech |
| Ecological footprint | |
| environmental product declaration | Yes |
| · | |
| Global warming potential | 100 kg |
| — global warming potential, (total) [CO2 eq] | 100 kg |
| — global warming potential, (during production) [CO2 eq] | 25.8 kg |
| — global warming potential, (during operation) [CO2 | 75.2 kg |
| eq] | 10.2 kg |
| — global warming potential, (after end of life cycle) | -0.83 kg |
| [CO2 eq] | , , , , , , , , , , , , , , , , , , , |
| product functions / security / header | |
| PROFINET Security Class | 1 |
| signed firmware update | Yes |
| Secure Boot | Yes |
| safely removing data | Yes |
| Ambient conditions | |
| Ambient temperature during operation | |
| horizontal installation, min. | -30 °C; No condensation |
| horizontal installation, max. | 60 °C; Display: 50 °C, at an operating temperature of typically 50 °C, the |
| | display is switched off |
| vertical installation, min. | -30 °C; No condensation |
| vertical installation, max. | 40 °C; Display: 40 °C, at an operating temperature of typically 40 °C, the |
| | display is switched off |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Altitude during operation relating to sea level | |
| Installation altitude above sea level, max. | 5 000 m; Restrictions for installation altitudes > 2 000 m, see manual |
| configuration / header | |
| configuration / programming / header | |
| Programming language | |
| — LAD | Yes |
| — FBD | Yes |
| — STL | Yes |
| — SCL | Yes |
| — SCL — CFC | Yes |
| | |
| — GRAPH | Yes |
| Know-how protection | |
| User program protection/password protection | Yes |
| Copy protection | Yes |
| Block protection | Yes |
| Access protection | |
| | |
| protection of confidential configuration data | Yes |
| protection of confidential configuration data Password for display | Yes Yes |

| Production forcet: Write protection Yes Production fore: Read/write protection Yes Production fore: Complete protection Yes Production fore: Complete protection Yes Production for Falsable No Production for Falsable Productio | | | | | | |
|--|---|----------------------|---|----------------------|---------------------|--|
| Production for Fasters Intervention for Fasters Intervention for Fasters Intervention Fasters Interventent Fasters Intervention Fasters Intervent Interventin Faster | | | | | | |
| • Protection level: Complete protection Yes • User a dividual data of the set of th | | | | | | |
| • Ver, device-worde and centralized • Wurber of groups 50 • Wurber of rules 60 • Wurber of rules adjustable minimum cycle time adjustable mainmum cycle time • opper timit adjustable minimum cycle time adjustable mainmum cycle time • opper timit • Wurbh 70 mm | | | | | | |
| 100 Number of users 100 Number of roles 60 Forzaming if spice time monitoring / leader adjustable minimum cycle time 0.vorg find 0.00 0.vorg find 0.00 1.vorg find 0.00 Weight approx. 455 g Version Version <td co<="" td=""><td></td><td></td><td></td><td></td><td></td></td> | <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 100 50 Fordramming / splets there monitoring / header adjustable minimum cycle time 0-yours / indi 147 mm 0-gph 129 mm 0-gph 129 mm Version 147 mm 0-gph 129 mm Version Classification 0-gen 129 mm Version Classification 0-gen 129 mm Version Classification 0-gen 27:34:22:07 0-genss 9 27:34:22:07 eClass 0-genss 9 27:34:22:07 eClass 0-genss 9 27:34:22:07 eClass 0-genss 9 27:34:22:07 eClass 0-genss 8 27:34:22:07 eClass 0-genss 9 27:34:22:07 eClass 0-genss 8 27:34:22:07 eClass 0-genss 9 0-genss 9 0-genss 5 0-genss 9 <td></td> <td></td> <td></td> <td>zed</td> <td></td> | | | | zed | | |
| Number of roles programming / spade over finit over finit outer finit <liouter finit<="" li=""> outer finit <li< td=""><td></td><td></td><td></td><td></td><td></td></li<></liouter> | | | | | | |
| programming / loader adjustable minimum cycle time • upper timit adjustable minimum cycle time Otmensions 447 mm Beph 129 mm Weight 129 mm Beph 129 mm Weight sprox. 466 g Classification Version | | | | | | |
| • loyer limit adjustable minium cycle time adjustable minium cycle time Otmensions 70 mm | | |) | | | |
| Partnersitions 70 mm 1000000000000000000000000000000000000 | | | | | | |
| Diphosions Width 70 mm Height 147 mm Depth 129 mm Weight aprox. 456 g Classifications Version Version <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| Widp. 70 mm. Height 147 mm. Deph 129 mm. Weight.approx. 456 g Classifications 12 mm. Version Classification e Class 14 mm. class 9 mm. e Class 8 mm. e Class 14 mm. e Class 17 mm. e Class 17 mm. e Class 18 mm. e Class 19 mm. e E M 2 mm. e E M 2 mm. | | a | djustable maximum cycle tim | le | | |
| Height 147 mm Depin 128 mm Weights 456 g Classifications Version Versin haz | | | | | _ | |
| Depth 129 mm Weight.approx. 456 g Classifications Version Classification Classifications Version Classification Classifications Version Classification Classifications Version Classification Classifications Statication Classification Class 12 27:42:207 eClass 9 27:42:207 eClass 9 27:42:207 eClass 8 27:42:207 eClass 6 27:42:207 eClass ETIM 9 EClospanedit Approvals / Certificate | | | | | | |
| Weight approx. 456 g Classification Class 0.1 Class Class <t< td=""><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | |
| Weight, approx. Classifications Vorsion Classification Classifications eClass 14 27:24:22:07 eClass 9 27:24:22:07 eClass 8 27:24:22:07 eClass 8 27:24:22:07 eClass 6 27:24:22:07 eClass 10 27:24:22:07 eClass 10 32:15:17:05 Manufacturer Declars: EVECE Miscelaneous Miscelaneous Miscelaneous EM EM EM EM </td <td></td> <td>1:</td> <td>29 mm</td> <td></td> <td></td> | | 1: | 29 mm | | | |
| Classifications Classifications Version Classification e Class 14 27.24.22.07 e Class 12 27.24.22.07 e Class 9 27.24.22.07 e Class 9 27.24.22.07 e Class 9 27.24.22.07 e Class 9 27.24.22.07 e Class 6 27.24.22.07 e Class 15 32.15.17.05 Manufacture / Declara: ibin For use in hazardous locations KC EM For use in hazardous locations <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| Image: state in the star dous locations Version Classification eClass 14 27:24:22:07 eClass 9.1 27:24:22:07 eClass 9.1 27:24:22:07 eClass 9 27:24:22:07 eClass 9 27:24:22:07 eClass 8 27:24:22:07 eClass 8 27:24:22:07 eClass 6 27:24:22:07 eClass 10 8 EComo236 ETIM 8 EComo236 10 General Product Approval Image: state | | 4 | 56 g | | | |
| | Classifications | | | | | |
| $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | | | | Version | Classification | |
| $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | | | eClass | 14 | 27-24-22-07 | |
| $\begin{tabular}{l l l l l l l l l l l l l l l l l l l $ | | | | | | |
| eClass927-24-22-07eClass827-24-22-07eClass7.127-24-22-07eClass627-24-20eClass615advision615advision66eCourseF6eCourseF6eCourseF6eCourseF6eCourseF6eCourseF6eCourseF6eCourseF6eCourseF <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| eClass 8 27-24-22-07 eClass 7.1 27-24-22-07 eClass 6 15 eClass 15 32-15-17-05 Annuladutor A 3565 UNSPSC 15 32-15-17-05 Annuladutor ECecas Image: Cecas for resc For use in hazardous locations EM for resc Image: Cecas Image: Cecas for | | | | 9.1 | 27-24-22-07 | |
| Image: constraint of the standard of the stan | | | eClass | 9 | 27-24-22-07 | |
| eClass 6 27-24-207 ETIM 9 EC000236 ETIM 8 EC000236 ETIM 7 EC000236 ETIM 7 EC000236 ETIM 7 EC000236 ETIM 7 EC000236 DEA 4 3665 UNSPSC 15 32-15-17-05 Miscellaneous Miscellaneous Miscellaneous ECC EM EM Miscellaneous EM EM <td></td> <td></td> <td>eClass</td> <td>8</td> <td>27-24-22-07</td> | | | eClass | 8 | 27-24-22-07 | |
| eClass 6 27-24-207 ETIM 9 EC000236 ETIM 8 EC000236 ETIM 7 EC000236 ETIM 7 EC000236 ETIM 7 EC000236 ETIM 7 EC000236 DEA 4 3665 UNSPSC 15 32-15-17-05 Miscellaneous Miscellaneous Miscellaneous ECC EM EM Miscellaneous EM EM <td></td> <td></td> <td>eClass</td> <td>7.1</td> <td>27-24-22-07</td> | | | eClass | 7.1 | 27-24-22-07 | |
| ETIM 9 EC000236 ETIM 8 EC000236 ETIM 7 EC000236 ETIM 7 EC000236 ETIM 7 EC000236 DEA 4 3565 UNSPSC 15 32-15-17-05 Manufacturer Declara: Ion Miscellaneous Ceneral Product Approval EC For use in hazardous locations KC EM EM EM Vor EM EM EM Vor EV EM EM Vor Line in hazardous locations EM EM Vor EM EM EM Vor EM EM EM Vor Line in hazardous locations Interver / Statistical Report Vor Line in hazardous locations Interver / Statistical Report Vor Line in hazardous locations Interver / Statistical Report | | | | | | |
| ETIM 8 EC000236 ETIM 7 EC000236 IDEA 4 3565 UNSPSC 15 32-15-17-05 Approvals / Certificates General Product Approval Manufacturer Declara- Monufacturer Declara- Mo | | | | | | |
| ETIM IDEA UNSPSC 7 4 3565 32-15-17-05 Approvals / Certificates Miscellaneous General Product Approval Ion ECC ICC General Product Approval For use in hazardous locations Miscellaneous KC EM ICC For use in hazardous locations EM For use in hazardous locations EM Type Examination Cer- tificate Miscellaneous IType Test Certific- ates/Test Report Marine / Shipping | | | EIIM | 9 | EC000236 | |
| IDEA UNSPSC 4 15 356 32-15-17-05 Approvals / Certificates Miscellaneous Second Ceneral Product Approval Miscellaneous Manufacturer Deciara- ion CCC Miscellaneous CCC KC COC EM CCC KC COC EM CCC Vouse in hazardous locations Tor use in hazardous locations EM CCC For use in hazardous locations Test Certificates Marine / Shipping Type Examination Cer- tificate Miscellaneous Type Test Certific- atest Test Report CCCC | | | ETIM | 8 | EC000236 | |
| UNSPSC 15 32:15-17:05 Approvals / Certificates General Product Approval Liss Cellaneous Missellaneous Manufacturer Declara: Ion Image: Certificates Missellaneous Image: Certificates KC For use in hazardous locations EM EM EM KC Image: Certificates EM Image: Certificates EM For use in hazardous locations Type Test Certificates Marine / Shipping Type Examination Cer: Ifficate Miscellaneous Type Test Certificates Image: Certificates Interventional Image: Certificates Marine / Shipping Image: Certificates Image: Certificates | | | ETIM | 7 | EC000236 | |
| Approvals / Certificates General Product Approval Lise Lise Miscellaneous Manufacturer Declara- iton Efficient Miscellaneous Efficient Efficient General Product Approval For use in hazardous locations For use in hazardous locations EM | | | IDEA | 4 | 3565 | |
| Approvals / Certificates General Product Approval Lise Lise Miscellaneous Manufacturer Declara- iton Efficient Miscellaneous Efficient Efficient General Product Approval For use in hazardous locations For use in hazardous locations EM | | | LINSPSC | 15 | 32-15-17-05 | |
| General Product Approval Manufacturer Declara- tion Effection Miscellaneous Miscellaneous General Product Approval For use in hazardous locations EM EM EM KC EM EM EM EM EM EM For use in hazardous locations Test Certificates Marine / Shipping Type Examination Cer- tificate Miscellaneous Type Test Certific- ates/Test Report EM EM | | | 0101 00 | 15 | 32-13-17-03 | |
| Manufacturer Declara- tionEEEUSGMiscellaneousMiscellaneousEEEFor use in hazardous locationsCeneral Product ApprovalFor use in hazardous locationsKC $\widetilde{\mathbb{CV}}$ EM $\widetilde{\mathbb{CV}}$ $\widetilde{\mathbb{CV}}$ For use in hazardous locationsEMFor use in hazardous locationsTest CertificatesMiscellaneous $\widetilde{\mathbb{CV}}$ $\widetilde{\mathbb{CV}}$ $\widetilde{\mathbb{CE}}$ < | Approvals / Certificates | | | | | |
| General Product Approval For use in hazardous locations KC FM EM EM V FM V V For use in hazardous locations Test Certificates Marine / Shipping Type Examination Certificate Miscellaneous Type Test Certificates V ICEX Miscellaneous Type Test Certificates V V | General Product Approval | | | | | |
| KC EM EM EM EM EM For use in hazardous locations Test Certificates Marine / Shipping Type Examination Cer- tificate Miscellaneous Type Test Certific- ates/Test Report Image: Certific- ates/Test Report IECEX Miscellaneous Type Test Certific- ates/Test Report Image: Certific- Ates Image: Certific- Ates | tion CE | UK CA | | <u>Miscellaneous</u> | RCM | |
| For use in hazardous locations Type Examination Certificates If the time in time in the time in tin time in time in time in time in tim | General Product Approval | For use in hazardo | ous locations | | | |
| Type Examination Cer- tificate Miscellaneous Type Test Certific- ates/Test Report Image: Certific- ates/Test Report Image: Certific- ates/Test Report IECEx Image: Certific- ates/Test Report Image: Certific- ates/Test Report </td <td>I</td> <td>EM</td> <td></td> <td>EM</td> <td>K ATEX</td> | I | EM | | EM | K ATEX | |
| tificate LECEX ates/Test Report | For use in hazardous locations | | Test Certificates | Marine / Shipping | | |
| Marine / Shipping | tificate IECEx | <u>Miscellaneous</u> | Type Test Certific- ates/Test Report | ABS | B U REAU VERITAS | |
| | Marine / Shipping | | | | | |

| | Llovdis Register uxs | <u>NK / Nippon Kaiji Ky-</u> <u>okai</u> | RINA | <u>CCS (China Classifica-</u> tion Society) | KR |
|----------|----------------------------|---|------|--|----|
| other | Environment | | | | |
| PROFINET | Siemens EcoTech | EPD | | | |
| | | | | | |

last modified:

12/19/2024 🖸