

SIMATIC IPC677D (Panel PC), 2x10/100/1000 Mbit/s Ethernet; 4x USB V3.0, 1x serial (COM1); Watchdog, temperature and Fan monitoring; RAID controller onboard; 15" Touch (1280x 800); with front USB Core I3-4330TE (2C/4T, 2.4 GHz, 4 MB cache, VT-X); PROFIBUS/MPI CP 5622-compatible; 2 MB buffered SRAM 500 GB HDD SATA; DVD +/-RW; 2 GB DDR3 1600 DIMM; 2x PCI without expansion (HW) Windows 7 Ultimate 64 bit SP1, MUI (de, en, fr, es, it) without expansion (software) AC 110/230V industrial power supply unit with NAMUR; Power supply cable USA

| General information                        |                                                                                                                                                                                                                                        |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product type designation                   | IPC677D                                                                                                                                                                                                                                |
| Display                                    |                                                                                                                                                                                                                                        |
| Design of display                          | 15" TFT touch                                                                                                                                                                                                                          |
| Screen diagonal                            | 15 in                                                                                                                                                                                                                                  |
| Resolution (pixels)                        |                                                                                                                                                                                                                                        |
| • Horizontal image resolution              | 1 280 pixel                                                                                                                                                                                                                            |
| • Vertical image resolution                | 800 pixel                                                                                                                                                                                                                              |
| Backlighting                               |                                                                                                                                                                                                                                        |
| • MTBF backlighting (at 25 °C)             | 80 000 h                                                                                                                                                                                                                               |
| Control elements                           |                                                                                                                                                                                                                                        |
| Input device                               |                                                                                                                                                                                                                                        |
| • Mouse, at front                          | Front USB 2.0 (500mA)                                                                                                                                                                                                                  |
| Touch operation                            |                                                                                                                                                                                                                                        |
| • Design as touch screen                   | Yes; analog, resistive                                                                                                                                                                                                                 |
| Installation type/mounting                 |                                                                                                                                                                                                                                        |
| Mounting                                   | For horizontal and vertical mounting                                                                                                                                                                                                   |
| Design                                     | Panel PC, built-in unit                                                                                                                                                                                                                |
| central design                             | Yes                                                                                                                                                                                                                                    |
| Mounting in portrait format possible       | Yes                                                                                                                                                                                                                                    |
| maximum permissible installation angle +/- | 20°                                                                                                                                                                                                                                    |
| Supply voltage                             |                                                                                                                                                                                                                                        |
| Type of supply voltage                     | 100/240 V AC (autorange); 24 V DC                                                                                                                                                                                                      |
| Line frequency                             |                                                                                                                                                                                                                                        |
| • Rated value 50 Hz                        | Yes                                                                                                                                                                                                                                    |
| • Rated value 60 Hz                        | Yes                                                                                                                                                                                                                                    |
| Mains buffering                            |                                                                                                                                                                                                                                        |
| • Mains/voltage failure stored energy time | 10 ms                                                                                                                                                                                                                                  |
| Power loss                                 |                                                                                                                                                                                                                                        |
| In full configuration                      | 155 W                                                                                                                                                                                                                                  |
| Processor                                  |                                                                                                                                                                                                                                        |
| Processor type                             | Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)                                                                                    |
| Chipset                                    | Intel DH82C226 PCH                                                                                                                                                                                                                     |
| Graphic                                    |                                                                                                                                                                                                                                        |
| Graphics controller                        | Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)                                                                                                                                         |
| Drives                                     |                                                                                                                                                                                                                                        |
| Optical drives                             | DVD±R±RW combi-drive, optional                                                                                                                                                                                                         |
| Hard disk                                  | 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay |
| SSD                                        | Yes; ≥ 240 GB optional                                                                                                                                                                                                                 |
| Storage                                    |                                                                                                                                                                                                                                        |

|                                                                            |                                                                                                                                                                                      |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of memory                                                             | DDR3-1600 DIMM                                                                                                                                                                       |
| Main memory                                                                | 2 / 4 / 8 / 16 GB; ECC optional                                                                                                                                                      |
| Capacity of main memory, max.                                              | 16 Gbyte                                                                                                                                                                             |
| <b>Data areas and their retentivity</b>                                    |                                                                                                                                                                                      |
| Retentive data area (incl. timers, counters, flags), max.                  | 2 Mbyte; 128 KB can be stored in the buffer time; optional                                                                                                                           |
| <b>Hardware configuration</b>                                              |                                                                                                                                                                                      |
| <b>Slots</b>                                                               |                                                                                                                                                                                      |
| • free slots                                                               | 2x PCI; optional: 1x PCI & 1x PCIe (x16); 2x PCIe (x4, x16); with card retainer                                                                                                      |
| • Number of PCI slots                                                      | 2                                                                                                                                                                                    |
| • Number of PCIe slots                                                     | 2                                                                                                                                                                                    |
| <b>Interfaces</b>                                                          |                                                                                                                                                                                      |
| PROFIBUS/MPI                                                               | Optionally onboard, isolated, max. 12 Mbit/s, compatible with CP 5622                                                                                                                |
| Number of industrial Ethernet interfaces                                   | 2; 2x RJ45 (independent)                                                                                                                                                             |
| Number of PROFINET interfaces                                              | 3; Optional                                                                                                                                                                          |
| USB port                                                                   | 4x USB 3.0                                                                                                                                                                           |
| Connection for keyboard/mouse                                              | USB / USB                                                                                                                                                                            |
| parallel interface                                                         | optional LPT1                                                                                                                                                                        |
| <b>Video interfaces</b>                                                    |                                                                                                                                                                                      |
| • Graphics interface                                                       | 1x DisplayPort and 1x DVI-I; 1x VGA via adapter cable (optional)                                                                                                                     |
| <b>Industrial Ethernet</b>                                                 |                                                                                                                                                                                      |
| • Industrial Ethernet interface                                            | onboard, 2x 10 / 100 / 1 000 Mbit, RJ45                                                                                                                                              |
| — 100 Mbps                                                                 | Yes                                                                                                                                                                                  |
| — 1000 Mbps                                                                | Yes                                                                                                                                                                                  |
| <b>Interrupts/diagnostics/status information</b>                           |                                                                                                                                                                                      |
| Bus diagnostics                                                            | Yes                                                                                                                                                                                  |
| <b>Integrated Functions</b>                                                |                                                                                                                                                                                      |
| <b>Monitoring functions</b>                                                |                                                                                                                                                                                      |
| • Temperature monitoring                                                   | Yes                                                                                                                                                                                  |
| • Watchdog                                                                 | Yes                                                                                                                                                                                  |
| • Fan                                                                      | Yes                                                                                                                                                                                  |
| • Monitoring function via network                                          | Optional                                                                                                                                                                             |
| <b>EMC</b>                                                                 |                                                                                                                                                                                      |
| <b>Interference immunity against discharge of static electricity</b>       |                                                                                                                                                                                      |
| • Interference immunity against discharge of static electricity            | ±6 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC 61000-4-2                                                                                             |
| <b>Interference immunity against high-frequency electromagnetic fields</b> |                                                                                                                                                                                      |
| • Interference immunity against high frequency radiation                   | 10 V/m for 80 - 1 000 MHz and 1.4 - 2 GHz, 80% AM acc. to IEC 61000-4-3; 3 V/m for 2 - 2.7 GHz, 80% AM acc. to IEC 61000-4-3; 10 V for 10 kHz - 80 MHz, 80% AM acc. to IEC 61000-4-6 |
| <b>Interference immunity to cable-borne interference</b>                   |                                                                                                                                                                                      |
| • Interference immunity on supply cables                                   | ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric                                                      |
| • Interference immunity on signal cables >30m                              | ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m                                                                                                                                    |
| • Interference immunity on signal cables < 30m                             | ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m                                                                                   |
| <b>Interference immunity against voltage surge</b>                         |                                                                                                                                                                                      |
| • asymmetric interference                                                  | ±2 kV acc. to IEC 61000-4-5, surge asymmetric                                                                                                                                        |
| • symmetric interference                                                   | ±1 kV acc. to IEC 61000-4-5, surge symmetric                                                                                                                                         |
| <b>Interference immunity to magnetic fields</b>                            |                                                                                                                                                                                      |
| • Interference immunity to magnetic fields at 50 Hz                        | 100 A/m; to IEC 61000-4-8                                                                                                                                                            |
| <b>Emission of conducted and non-conducted interference</b>                |                                                                                                                                                                                      |
| • Interference emission via line/AC current cables                         | EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A                                                                                                                            |
| <b>Degree and class of protection</b>                                      |                                                                                                                                                                                      |
| IP (at the front)                                                          | IP65                                                                                                                                                                                 |
| IP (rear)                                                                  | IP20                                                                                                                                                                                 |
| <b>Standards, approvals, certificates</b>                                  |                                                                                                                                                                                      |
| CE mark                                                                    | Yes                                                                                                                                                                                  |
| UL approval                                                                | Yes                                                                                                                                                                                  |
| • UL 508                                                                   | Yes                                                                                                                                                                                  |
| cULus                                                                      | Yes                                                                                                                                                                                  |

|                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|----------------|--------|----|-------------|--------|----|-------------|--------|-----|-------------|--------|---|-------------|--------|---|-------------|--------|-----|-------------|--------|---|-------------|------|----|----------|------|---|----------|------|---|----------|------|---|----------|
| RCM (formerly C-TICK)                                                                                       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| KC approval                                                                                                 | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| FCC                                                                                                         | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| EMC                                                                                                         | CE, EN 61000-6-4:2007, EN 61000-6-2:2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Ambient conditions                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Ambient temperature during operation                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>min.</li></ul>                                                        | 5 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>max.</li></ul>                                                        | 45 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Ambient temperature during storage/transportation                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>min.</li></ul>                                                        | -20 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>max.</li></ul>                                                        | 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Relative humidity                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>Relative humidity</li></ul>                                           | Tested according to IEC 60068-2-78, IEC 60068-2-30: 5% to 80% at 25 °C (no condensation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Vibrations                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>Vibration resistance during operation acc. to IEC 60068-2-6</li></ul> | tested according to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to 500 Hz 9.8 m/s² (1 g)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Shock testing                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>Shock load during operation</li></ul>                                 | Tested to DIN IEC 60068-2-29: 50 m/s² (5 g), 30 ms, 100 shocks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Operating systems                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| pre-installed operating system                                                                              | Windows 7 Ultimate, 32-bit/64-bit, MUI; Windows Embedded Standard 7 P, 32-bit, MUI; Windows 10 Enterprise 2015 or 2016 LTSP, 64-bit, MUI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| without operating system                                                                                    | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| pre-installed operating system                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>Windows 7</li></ul>                                                   | Yes; Ultimate 32 bit or 64 bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>Windows 10 Enterprise</li></ul>                                       | Yes; Windows 10 Enterprise 2015 or 2016 LTSP, 64-bit, MUI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Software                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| SIMATIC Software                                                                                            | Optional package with SIMATIC WinCC or WinAC RTX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Dimensions                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Width of the housing front                                                                                  | 415 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Height of housing front                                                                                     | 310 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Mounting cutout, width                                                                                      | 396 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Mounting cutout, height                                                                                     | 291 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| mounting depth                                                                                              | 112 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| <ul style="list-style-type: none"><li>additional mounting depth (optical drive)</li></ul>                   | 26 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Weights                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Weight, approx.                                                                                             | 12 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Classifications                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
|                                                                                                             | <table><tr><td></td><td>Version</td><td>Classification</td></tr><tr><td>eClass</td><td>14</td><td>19-20-01-03</td></tr><tr><td>eClass</td><td>12</td><td>19-20-01-03</td></tr><tr><td>eClass</td><td>9.1</td><td>19-20-01-03</td></tr><tr><td>eClass</td><td>9</td><td>19-20-01-03</td></tr><tr><td>eClass</td><td>8</td><td>27-24-23-01</td></tr><tr><td>eClass</td><td>7.1</td><td>27-24-23-01</td></tr><tr><td>eClass</td><td>6</td><td>27-24-23-01</td></tr><tr><td>ETIM</td><td>10</td><td>EC001414</td></tr><tr><td>ETIM</td><td>9</td><td>EC001414</td></tr><tr><td>ETIM</td><td>8</td><td>EC001414</td></tr><tr><td>ETIM</td><td>7</td><td>EC001414</td></tr></table> |                | Version | Classification | eClass | 14 | 19-20-01-03 | eClass | 12 | 19-20-01-03 | eClass | 9.1 | 19-20-01-03 | eClass | 9 | 19-20-01-03 | eClass | 8 | 27-24-23-01 | eClass | 7.1 | 27-24-23-01 | eClass | 6 | 27-24-23-01 | ETIM | 10 | EC001414 | ETIM | 9 | EC001414 | ETIM | 8 | EC001414 | ETIM | 7 | EC001414 |
|                                                                                                             | Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Classification |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| eClass                                                                                                      | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 19-20-01-03    |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| eClass                                                                                                      | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 19-20-01-03    |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| eClass                                                                                                      | 9.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 19-20-01-03    |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| eClass                                                                                                      | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19-20-01-03    |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| eClass                                                                                                      | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27-24-23-01    |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| eClass                                                                                                      | 7.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 27-24-23-01    |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| eClass                                                                                                      | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27-24-23-01    |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| ETIM                                                                                                        | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EC001414       |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| ETIM                                                                                                        | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EC001414       |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| ETIM                                                                                                        | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EC001414       |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| ETIM                                                                                                        | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EC001414       |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| Approvals / Certificates                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |
| General Product Approval                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |         |                |        |    |             |        |    |             |        |     |             |        |   |             |        |   |             |        |     |             |        |   |             |      |    |          |      |   |          |      |   |          |      |   |          |



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