



SIMATIC S7-1500F, CPU 1516F-3 PN/DP, central processing unit with work memory 3 MB for program and 7.5 MB for data 1st interface: PROFINET IRT with 2-port switch, 2nd interface: PROFINET RT, 3rd interface: PROFIBUS, 6 ns bit performance, SIMATIC Memory Card required ****approvals and certificates according to entry 109817466 at support.industry.siemens.com to be considered! -

General information	
Product type designation	CPU 1516F-3 PN/DP
HW functional status	FS04
Firmware version	V4.0
<ul style="list-style-type: none"> FW update possible 	Yes
Product function	
<ul style="list-style-type: none"> I&M data 	Yes; I&M0 to I&M3
<ul style="list-style-type: none"> Isochronous mode 	Yes; Distributed and central; with minimum OB 6x cycle of 375 μ s (distributed) and 1 ms (central)
<ul style="list-style-type: none"> SysLog 	Yes
Engineering with	
<ul style="list-style-type: none"> 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 6ES7 516-3FN02-0AB0
Configuration control	
via dataset	Yes
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	
<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	5 ms
<ul style="list-style-type: none"> Repeat rate, min. 	1/s
Input current	
Current consumption (rated value)	0.69 A
Current consumption, max.	1.08 A
Inrush current, max.	1.15 A; Rated value
I^2t	0.6 A ² ·s
Power	
Infeed power to the backplane bus	12 W
Power consumption from the backplane bus (balanced)	6.7 W
Power loss	
Power loss, typ.	4 W
Memory	
Number of slots for SIMATIC memory card	1

SIMATIC memory card required	Yes
Work memory	
• integrated (for program)	3 Mbyte
• integrated (for data)	7.5 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.	7.5 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	3
• 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; Up to 8 possible for F-blocks
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	
— adjustable	Yes
IEC timer	
• Number	Any (only limited by the main memory)
Retentivity	
— 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, counters, DBs, and technology data (axes): 472 KB

Extended retentive data area (incl. timers, counters, flags), max.	7.5 Mbyte; When using PS 6 0W 24/48/60 V DC HF
Flag	
<ul style="list-style-type: none"> • Size, max. 	16 kbyte
<ul style="list-style-type: none"> • Number of clock memories 	8; 8 clock memory bit, grouped into one clock memory byte
Data blocks	
<ul style="list-style-type: none"> • Retentivity adjustable 	Yes
<ul style="list-style-type: none"> • Retentivity preset 	No
Local data	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • Inputs 	32 kbyte; All inputs are in the process image
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • Number of subprocess images, max. 	32
Hardware configuration	
Number of distributed IO 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	
<ul style="list-style-type: none"> • integrated 	1
<ul style="list-style-type: none"> • Via CM 	8; A maximum of 8 CMs/CPs (PROFIBUS, PROFINET, Ethernet) can be inserted in total
Number of IO Controllers	
<ul style="list-style-type: none"> • integrated 	2
<ul style="list-style-type: none"> • Via CM 	8; A maximum of 8 CMs/CPs (PROFIBUS, PROFINET, Ethernet) can be inserted in total
Rack	
<ul style="list-style-type: none"> • Modules per rack, max. 	32; CPU + 31 modules
<ul style="list-style-type: none"> • Number of lines, max. 	1
PtP CM	
<ul style="list-style-type: none"> • Number of PtP CMs 	the number of connectable PtP CMs is only limited by the number of available slots
Time of day	
Clock	
<ul style="list-style-type: none"> • Type 	Hardware clock
<ul style="list-style-type: none"> • Backup time 	6 wk; At 40 °C ambient temperature, typically
<ul style="list-style-type: none"> • Deviation per day, max. 	10 s; Typ.: 2 s
Operating hours counter	
<ul style="list-style-type: none"> • Number 	16
Clock synchronization	
<ul style="list-style-type: none"> • supported 	Yes
<ul style="list-style-type: none"> • to DP, master 	Yes
<ul style="list-style-type: none"> • on DP, device 	Yes; via PROFIBUS CM / CP
<ul style="list-style-type: none"> • in AS, master 	Yes
<ul style="list-style-type: none"> • in AS, device 	Yes
<ul style="list-style-type: none"> • on Ethernet via NTP 	Yes
Interfaces	
Number of PROFINET interfaces	2
Number of PROFIBUS interfaces	1
1. Interface	
Interface types	
<ul style="list-style-type: none"> • RJ 45 (Ethernet) 	Yes; X1
<ul style="list-style-type: none"> • Number of ports 	2
<ul style="list-style-type: none"> • 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	Yes; Requirement: IRT and isochronous mode (MRPD optional)
— IRT	Yes
— PROFINergy	Yes; per user program
— Prioritized startup	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 μ s	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 μ s	500 μ s 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 μ s: 375 μ s, 625 μ s ... 3 875 μ s)
Update time for RT	
— for send cycle of 250 μ s	250 μ s to 128 ms
— for send cycle of 500 μ s	500 μ s 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
— PROFINergy	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
• SIMATIC communication	Yes

<ul style="list-style-type: none"> • Open IE communication • Web server • Media redundancy 	<p>Yes; Optionally also encrypted</p> <p>Yes</p> <p>No</p>
PROFINET IO Controller	
Services	
— Isochronous mode	No
— Direct data exchange	No
— IRT	No
— PROFINergy	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
— PROFINergy	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
3. Interface	
Interface types	
<ul style="list-style-type: none"> • RS 485 • Number of ports 	<p>Yes; X3</p> <p>1</p>
Protocols	
<ul style="list-style-type: none"> • PROFIBUS DP master • PROFIBUS DP device • SIMATIC communication 	<p>Yes</p> <p>No</p> <p>Yes</p>
PROFIBUS DP master	
<ul style="list-style-type: none"> • Number of connections, max. • max. number of DP devices 	<p>48; for the integrated PROFIBUS DP interface</p> <p>125; In total, up to 1 000 distributed I/O devices can be connected via AS-i, PROFIBUS or PROFINET</p>
Services	
— Equidistance	Yes
— Isochronous mode	Yes
— activation/deactivation of DP devices	Yes
Interface types	
RJ 45 (Ethernet)	
<ul style="list-style-type: none"> • 100 Mbps • Autonegotiation • Autocrossing • Industrial Ethernet status LED 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
RS 485	
<ul style="list-style-type: none"> • Transmission rate, max. 	12 Mbit/s
Protocols	
PROFIsafe	Yes; V2.4 / V2.6
Number of connections	
<ul style="list-style-type: none"> • Number of connections, max. 	256; via integrated interfaces of the CPU and connected CPs / CMs

<ul style="list-style-type: none"> • Number of connections reserved for ES/HMI/web 	10
<ul style="list-style-type: none"> • Number of connections via integrated interfaces 	128
<ul style="list-style-type: none"> • Number of S7 routing paths 	16
Redundancy mode	
<ul style="list-style-type: none"> • H-Sync forwarding 	Yes
Media redundancy	
<ul style="list-style-type: none"> — Media redundancy 	only via 1st interface (X1)
<ul style="list-style-type: none"> — MRP 	Yes; MRP Automanager according to IEC 62439-2 Edition 2.0, MRP Manager; MRP Client
<ul style="list-style-type: none"> — MRP interconnection, supported 	Yes; as MRP ring node according to IEC 62439-2 Edition 3.0
<ul style="list-style-type: none"> — MRPD 	Yes; Requirement: IRT
<ul style="list-style-type: none"> — Switchover time on line break, typ. 	200 ms; For MRP, bumpless for MRPD
<ul style="list-style-type: none"> — Number of stations in the ring, max. 	50
SIMATIC communication	
<ul style="list-style-type: none"> • PG/OP communication 	Yes; encryption with TLS V1.3 pre-selected
<ul style="list-style-type: none"> • S7 routing 	Yes
<ul style="list-style-type: none"> • Data record routing 	Yes
<ul style="list-style-type: none"> • S7 communication, as server 	Yes
<ul style="list-style-type: none"> • S7 communication, as client 	Yes
<ul style="list-style-type: none"> • User data per job, max. 	See online help (S7 communication, user data size)
Open IE communication	
<ul style="list-style-type: none"> • TCP/IP 	Yes
<ul style="list-style-type: none"> — Data length, max. 	64 kbyte
<ul style="list-style-type: none"> — several passive connections per port, supported 	Yes
<ul style="list-style-type: none"> • ISO-on-TCP (RFC1006) 	Yes
<ul style="list-style-type: none"> — Data length, max. 	64 kbyte
<ul style="list-style-type: none"> • UDP 	Yes
<ul style="list-style-type: none"> — Data length, max. 	2 kbyte; 1 472 bytes for UDP broadcast
<ul style="list-style-type: none"> — UDP multicast 	Yes; max. 118 multicast circuits
<ul style="list-style-type: none"> • DHCP 	Yes
<ul style="list-style-type: none"> • DNS 	Yes
<ul style="list-style-type: none"> • SNMP 	Yes
<ul style="list-style-type: none"> • DCP 	Yes
<ul style="list-style-type: none"> • LLDP 	Yes
<ul style="list-style-type: none"> • Encryption 	Yes; Optional
Web server	
<ul style="list-style-type: none"> • HTTP 	Yes; Standard and user pages
<ul style="list-style-type: none"> • HTTPS 	Yes; Standard and user pages
<ul style="list-style-type: none"> • web API 	
<ul style="list-style-type: none"> — Number of sessions, max. 	100
<ul style="list-style-type: none"> — number of simultaneous HTTP calls, max. 	4
<ul style="list-style-type: none"> — HTTP request body, max. 	131 072 byte
OPC UA	
<ul style="list-style-type: none"> • Runtime license required 	Yes; "Medium" license required
<ul style="list-style-type: none"> • OPC UA Client 	Yes; Data Access (registered Read/Write), Method Call
<ul style="list-style-type: none"> — Application authentication 	Yes
<ul style="list-style-type: none"> — Security policies 	Available security policies: None, Basic128Rsa15, Basic256Rsa15, Basic256Sha256
<ul style="list-style-type: none"> — User authentication 	"anonymous" or by user name & password
<ul style="list-style-type: none"> — Number of connections, max. 	10
<ul style="list-style-type: none"> — Number of nodes of the client interfaces, recommended max. 	2 000
<ul style="list-style-type: none"> — Number of elements for one call of OPC-UA-NodeGetHandleList/OPC-UA-ReadList/OPC-UA-WriteList, max. 	300
<ul style="list-style-type: none"> — Number of elements for one call of OPC-UA-NameSpaceGetIndexList, max. 	20
<ul style="list-style-type: none"> — Number of elements for one call of OPC-UA-MethodGetHandleList, max. 	100
<ul style="list-style-type: none"> — Number of simultaneous calls of the client instructions for session management, per connection, max. 	1
<ul style="list-style-type: none"> — 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.	50
— 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.	20
— 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, max.	30 000
● Alarms and Conditions	Yes
— Number of program alarms	200
— Number of alarms for system diagnostics	100
Further protocols	
● MODBUS	Yes; MODBUS TCP
Isochronous mode	
Equidistance	Yes
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, ProDiag or GRAPH
Number of loadable program messages in RUN, max.	10 000
Number of simultaneously active program alarms	
● 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; without fail-safe
● Variables	inputs/outputs, bit memories, DBs, peripheral I/Os (without fail-safe), times, counters
● Number of variables, max.	
— of which status variables, max.	200; per job
— of which control variables, max.	200; per job
Forcing	
● Forcing	Yes; without fail-safe
● Forcing, variables	peripheral inputs/outputs (without fail-safe)
● Number of variables, max.	200
Diagnostic buffer	

<ul style="list-style-type: none"> • present 	Yes
<ul style="list-style-type: none"> • Number of entries, max. 	3 200
<ul style="list-style-type: none"> — of which powerfail-proof 	500
Traces	
<ul style="list-style-type: none"> • Number of configurable Traces 	4
<ul style="list-style-type: none"> • Memory size per trace, max. 	512 kbyte
Interrupts/diagnostics/status information	
Diagnostics indication LED	
<ul style="list-style-type: none"> • RUN/STOP LED 	Yes
<ul style="list-style-type: none"> • ERROR LED 	Yes
<ul style="list-style-type: none"> • MAINT LED 	Yes
<ul style="list-style-type: none"> • STOP ACTIVE LED 	Yes
<ul style="list-style-type: none"> • Connection display LINK TX/RX 	Yes
Supported technology objects	
Motion Control	Yes; Note: The number of technology objects affects the cycle time of the PLC program; selection guide via the TIA Selection Tool
<ul style="list-style-type: none"> • Number of available Motion Control resources for technology objects 	2 400
<ul style="list-style-type: none"> • Required Motion Control resources 	
<ul style="list-style-type: none"> — per speed-controlled axis 	40
<ul style="list-style-type: none"> — per positioning axis 	80
<ul style="list-style-type: none"> — per synchronous axis 	160
<ul style="list-style-type: none"> — per external encoder 	80
<ul style="list-style-type: none"> — per output cam 	20
<ul style="list-style-type: none"> — per cam track 	160
<ul style="list-style-type: none"> — per probe 	40
<ul style="list-style-type: none"> • Positioning axis 	
<ul style="list-style-type: none"> — Number of positioning axes at motion control cycle of 4 ms (typical value) 	11
<ul style="list-style-type: none"> — Number of positioning axes at motion control cycle of 8 ms (typical value) 	20
Controller	
<ul style="list-style-type: none"> • PID_Compact 	Yes; Universal PID controller with integrated optimization
<ul style="list-style-type: none"> • PID_3Step 	Yes; PID controller with integrated optimization for valves
<ul style="list-style-type: none"> • PID-Temp 	Yes; PID controller with integrated optimization for temperature
Counting and measuring	
<ul style="list-style-type: none"> • High-speed counter 	Yes
Standards, approvals, certificates	
Highest safety class achievable in safety mode	
<ul style="list-style-type: none"> • Performance level according to ISO 13849-1 	PLe
<ul style="list-style-type: none"> • SIL acc. to IEC 61508 	SIL 3
Probability of failure (for service life of 20 years and repair time of 100 hours)	
<ul style="list-style-type: none"> — Low demand mode: PFDavg in accordance with SIL3 	< 2.00E-05
<ul style="list-style-type: none"> — High demand/continuous mode: PFH in accordance with SIL3 	< 1.00E-09
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	
<ul style="list-style-type: none"> • horizontal installation, min. 	-30 °C; No condensation
<ul style="list-style-type: none"> • horizontal installation, max. 	60 °C; Display: 50 °C, at an operating temperature of typically 50 °C, the display is switched off
<ul style="list-style-type: none"> • vertical installation, min. 	-30 °C; No condensation
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • min. 	-40 °C
<ul style="list-style-type: none"> • 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; incl. failsafe
— FBD	Yes; incl. failsafe
— STL	Yes
— SCL	Yes
— CFC	Yes; either CFC or failsafe functionality
— 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
• Password for display	Yes
• Protection level: Write protection	Yes
• Protection level: Read/write protection	Yes
• Protection level: Write protection for Failsafe	Yes
• Protection level: Complete protection	Yes
• User administration	Yes; device-wide and centralized
• Number of users	100
• Number of groups	100
• Number of roles	50

programming / cycle time monitoring / header	
• lower limit	adjustable minimum cycle time
• upper limit	adjustable maximum cycle time

Dimensions	
Width	70 mm
Height	147 mm
Depth	129 mm

Weights	
Weight, approx.	469 g

Classifications		
	Version	Classification
eClass	14	27-24-22-07
eClass	12	27-24-22-07
eClass	9.1	27-24-22-07
eClass	9	27-24-22-07
eClass	8	27-24-22-07
eClass	7.1	27-24-22-07
eClass	6	27-24-22-07
ETIM	9	EC000236
ETIM	8	EC000236
ETIM	7	EC000236
IDEA	4	3565
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)

[Miscellaneous](#)



[Miscellaneous](#)

General Product Approval	For use in hazardous locations
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KC



FM



EM

For use in hazardous locations

Functional Safety



[Type Examination Certificate](#)



IECEX

Miscellaneous

[Type Examination Certificate](#)



Marine / Shipping



ABS



BUREAU VERITAS



DNV



LRS

[NK / Nippon Kaiji Kyokai](#)



RINA

Marine / Shipping

other

Environment

[CCS \(China Classification Society\)](#)



KR

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Profibus

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