SIEMENS

Data sheet

6AG1315-6FF04-2AB0



SIPLUS S7-300 CPU 315F-2DP based on 6ES7315-6FF04-0AB0 with conformal coating, -25...+60 °C, fail-safe module with MPI integrated power supply 24 V DC, work memory 384 KB, 40 mm width, 2nd interface DP master/ slave Micro Memory Card required

Figure similar

General information	
Product type designation	CPU 315F-2 DP
based on	6ES7315-6FF04-0AB0
Product function	
 Isochronous mode 	Yes
Engineering with	
Programming package	STEP 7 V5.5 + SP1 or higher or STEP 7 V5.2 + SP1 or higher with HSP 218 + Distributed Safety
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
external protection for power supply lines (recommendation)	2 A min.
Mains buffering	
 Mains/voltage failure stored energy time 	5 ms
Repeat rate, min.	1 s
Input current	
Current consumption (rated value)	850 mA
Current consumption (in no-load operation), typ.	150 mA
Inrush current, typ.	3.5 A
I²t	1 A ² ·s
Power loss	
Power loss, typ.	4.5 W
Memory	
Work memory	
• integrated	384 kbyte
• expandable	No
Load memory	
• Plug-in (MMC)	Yes
Plug-in (MMC), max.	8 Mbyte
 Data management on MMC (after last programming), min. 	10 a
Backup	
• present	Yes; Guaranteed by MMC (maintenance-free)
without battery	Yes; Program and data
CPU processing times	
for bit operations, typ.	0.05 μs
for word operations, typ.	0.09 µs
for fixed point arithmetic, typ.	0.12 μs

for floating point arithmetic, typ.	0.45 µs
CPU-blocks	0.10 pb
Number of blocks (total)	1 024; (DBs, FCs, FBs); the maximum number of loadable blocks can be
	reduced by the MMC used.
DB	
Number, max.	1 024; Number range: 1 to 16000
• Size, max.	64 kbyte
FB	
Number, max.	1 024; Number range: 0 to 7999
• Size, max.	64 kbyte
FC	
Number, max.	1 024; Number range: 0 to 7999
• Size, max.	64 kbyte
OB	to the star that
Number, max.	see instruction list
Size, max. Number of free surele ODs.	64 kbyte
Number of free cycle OBsNumber of time alarm OBs	1; OB 1
Number of delay alarm OBs	1; OB 10
Number of delay alarm OBs Number of cyclic interrupt OBs	2; OB 20, 21 4; OB 32, 33, 34, 35
Number of cyclic interrupt Obs Number of process alarm OBs	1; OB 40
Number of process arann Obs Number of DPV1 alarm OBs	3; OB 55, 56, 57
Number of isochronous mode OBs	1; OB 61
Number of startup OBs	1; OB 100
Number of asynchronous error OBs	5; OB 80, 82, 85, 86, 87
Number of synchronous error OBs	2; OB 121, 122
Nesting depth	
per priority class	16
additional within an error OB	4
Counters, timers and their retentivity	
S7 counter	
Number	256
Retentivity	
— adjustable	Yes
— preset	Z 0 to Z 7
Counting range	
— lower limit	0
— upper limit	999
IEC counter	
• present	Yes
• Type	SFB
Number	Unlimited (limited only by RAM capacity)
S7 times	
Number	256
Retentivity	
— adjustable	Yes
— preset	No retentivity
Time range	
— lower limit	10 ms
— upper limit	9 990 s
IEC timer	Van
• present	Yes
• Type	SFB
Number At a green and their retentivity.	Unlimited (limited only by RAM capacity)
Pata areas and their retentivity	420 khida
Retentive data area (incl. timers, counters, flags), max.	128 kbyte
Flag	0.040 h. to
Size, max. Detectivity available.	2 048 byte
Retentivity available	Yes; MB 0 to MB 2 047
Retentivity preset Number of clock memories	MB 0 to MB 15
Number of clock memories	8; 1 memory byte

Data blocks Retentivity adjustable Retentivity preset Yes Local data per priority class, max. 32 kbyte; Max. 2 KB per block Address area I/O address area I/O address area Inputs Outputs Of which distributed — Inputs — Outputs — Outputs — Outputs — Outputs Process image Inputs Inputs 2 048 byte	
● Retentivity preset Local data ● per priority class, max. 32 kbyte; Max. 2 KB per block Address area I/O address area ● Inputs ● Outputs ● Outputs Othich distributed — Inputs — Outputs 2 048 byte 2 048 byte 2 048 byte 9 048 byte 2 048 byte 2 048 byte 2 048 byte	
Local data • per priority class, max. Address area I/O address area • Inputs • Outputs • Outputs of which distributed — Inputs — Outputs 2 048 byte	
per priority class, max. 32 kbyte; Max. 2 KB per block Address area I/O address area Inputs Outputs Outputs Of which distributed Inputs Outputs Outp	
Address area I/O address area Inputs Outputs Outputs Of which distributed — Inputs — Outputs Outputs 2 048 byte 2 048 byte 2 048 byte 2 048 byte Process image	
I/O address area	
Outputs of which distributed — Inputs — Outputs 2 048 byte 2 048 byte 2 048 byte 2 048 byte Process image	
of which distributed — Inputs 2 048 byte — Outputs 2 048 byte Process image	
 — Inputs — Outputs Process image 2 048 byte 2 048 byte 	
— Outputs 2 048 byte Process image	
Process image	
•	
• Inputs 2 048 byte	
• Outputs 2 048 byte	
• Inputs, adjustable 2 048 byte	
• Outputs, adjustable 2 048 byte	
• Inputs, default 384 byte	
Outputs, default 384 byte	
Subprocess images	
Number of subprocess images, max.	
Digital channels	
• Inputs 16 384	
— of which central 1 024	
• Outputs 16 384	
— of which central 1 024	
Analog channels	
• Inputs 1 024	
— of which central 256	
• Outputs 1 024	
— of which central 256	
Hardware configuration	
Number of expansion units, max. 3	
Number of DP masters	
• integrated 1	
• via CP 4	
Number of operable FMs and CPs (recommended)	
• FM 8	
• CP, PtP 8	
• CP, LAN 10	
Rack	
• Racks, max. 4	
Modules per rack, max. 8	
Time of day	
Clock	
Hardware clock (real-time) Yes	
• retentive and synchronizable • retentive and synchronizable Yes	
Backup time 6 wk; At 40 °C ambient temperature	
	abod off
Behavior of the clock following expiry of backup period the clock continues at the time of day it had when power was switch continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the time of day it had when power was switched by the clock continues at the clock contin	neu on
Operating hours counter	
Number Number/Number range	
Number/Number range 0 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 1	
• Range of values 0 to 2^31 hours (when using SFC 101)	
• Granularity 1 h	
retentive Yes; Must be restarted at each restart	
Clock synchronization	
• supported Yes	
• to MPI, master	

MD1 1 1			
• on MPI, device	Yes		
• to DP, master	Yes; With DP slave only slave clock		
• on DP, device	Yes		
• in AS, master	Yes		
• in AS, device	No		
Digital inputs			
Number of digital inputs	0		
Digital outputs			
Number of digital outputs	0		
Analog inputs			
Number of analog inputs	0		
Interfaces			
Number of PROFINET interfaces	0		
Number of RS 485 interfaces	2		
Number of RS 422 interfaces	0		
1. Interface			
Interface type	Integrated RS 485 interface		
Isolated	No		
Interface types			
• RS 485	Yes		
 Output current of the interface, max. 	200 mA		
Protocols			
• MPI	Yes		
 PROFIBUS DP master 	No		
PROFIBUS DP device	No		
 Point-to-point connection 	No		
MPI			
 Transmission rate, max. 	187.5 kbit/s		
Services			
— PG/OP communication	Yes		
— Routing	Yes		
 Global data communication 	Yes		
 S7 basic communication 	Yes		
— S7 communication	Yes; Only server, configured on one side		
 — S7 communication, as client 	No		
 S7 communication, as server 	Yes		
2. Interface			
Interface type	Integrated RS 485 interface		
Isolated	Yes		
Interface types			
• RS 485	Yes		
 Output current of the interface, max. 	200 mA		
Protocols			
• MPI	No		
PROFIBUS DP master	Yes		
PROFIBUS DP device	Yes		
Point-to-point connection	No		
PROFIBUS DP master			
Transmission rate, max.	12 Mbit/s		
• max. number of DP devices	124; Per station		
Services			
— PG/OP communication	Yes		
— Routing	Yes		
Global data communication	No		
 — S7 basic communication 	Yes; I blocks only		
— S7 communication	Yes; Only server, configured on one side		
 — S7 communication, as client 	No		
— S7 communication, as server	Yes		
— Equidistance	Yes		
— Isochronous mode	Yes; OB 61		

— SYNC/FREEZE	Yes
 activation/deactivation of DP devices 	Yes
— max. number of DP devices that can be	8
activated/deactivated at the same time	V
— DPV1	Yes
Address area	0.040 h. 4-
— Inputs, max.	2 048 byte
— Outputs, max.	2 048 byte
User data per DP device	
— Inputs, max.	244 byte
— Outputs, max.	244 byte
2nd interface / PROFIBUS DP device / header	
• GSD file	The latest GSD file is available at: http://www.siemens.com/profibus-gsd
Transmission rate, max.	12 Mbit/s
automatic baud rate search	Yes; only with passive interface
Address area, max.	32
User data per address area, max.	32 byte
Services	
— PG/OP communication	Yes
— Routing	Yes; Only with active interface
— Global data communication	No
 S7 basic communication 	No
— S7 communication	Yes; Only server, configured on one side
 S7 communication, as client 	No
 S7 communication, as server 	Yes
Direct data exchange (slave-to-slave	Yes
communication)	Al-
— DPV1	No
Transfer memory	044 h. I
— Inputs	244 byte
Outputo	244 byta
— Outputs	244 byte
Protocols	
Protocols PROFisafe	Yes
Protocols PROFIsafe communication functions / header	Yes
Protocols PROFIsafe communication functions / header PG/OP communication	Yes
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing	Yes
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication	Yes Yes Yes
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported	Yes Yes Yes Yes
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max.	Yes Yes Yes Yes 8
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max.	Yes Yes Yes Yes 8 8
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max.	Yes Yes Yes Yes 8 8 8
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max.	Yes Yes Yes Yes 8 8 8 8
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max.	Yes Yes Yes Yes 8 8 8 8 22 byte
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max.	Yes Yes Yes Yes 8 8 8 8
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication	Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported	Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max.	Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte Yes 76 byte
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported	Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max.	Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte Yes 76 byte
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max.	Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET
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Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max. S7 communication • supported • supported • as server	Yes Yes Yes Yes 8 8 8 8 8 22 byte 22 byte Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET as server) Yes Yes
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max. S7 communication • supported • as server • as client	Yes Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte Yes Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET as server) Yes Yes Yes Yes Yes; Via CP and loadable FB
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max. S7 communication • supported • as server • as client • User data per job, max.	Yes Yes Yes Yes Yes 8 8 8 22 byte 22 byte Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET as server) Yes Yes Yes Yes Yes Yes Yes Yes; Via CP and loadable FB 180 byte; With PUT/GET
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max. S7 communication • supported • as server • as client • User data per job, max. • User data per job (of which consistent), max.	Yes Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte Yes Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET as server) Yes Yes Yes Yes Yes; Via CP and loadable FB
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Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max. S7 communication • supported • as server • as client • User data per job, max. • User data per job (of which consistent), max. S5 compatible communication • supported	Yes Yes Yes Yes Yes 8 8 8 22 byte 22 byte Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET as server) Yes Yes Yes Yes Yes Yes Yes Yes; Via CP and loadable FB 180 byte; With PUT/GET
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max. S7 communication • supported • as server • as client • User data per job, max. • User data per job (of which consistent), max. S5 compatible communication • supported • supported • as server • as client • User data per job (of which consistent), max. S5 compatible communication • supported Number of connections	Yes Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET as server) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max. S7 communication • supported • as server • as client • User data per job, max. • User data per job (of which consistent), max. S5 compatible communication • supported Number of connections • overall	Yes Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET as server) Yes Yes Yes Yes; Via CP and loadable FB 180 byte; With PUT/GET 240 byte; as server Yes; via CP and loadable FC
Protocols PROFIsafe communication functions / header PG/OP communication Data record routing Global data communication • supported • Number of GD loops, max. • Number of GD packets, max. • Number of GD packets, transmitter, max. • Number of GD packets, receiver, max. • Size of GD packets, max. • Size of GD packet (of which consistent), max. S7 basic communication • supported • User data per job, max. • User data per job (of which consistent), max. S7 communication • supported • as server • as client • User data per job, max. • User data per job (of which consistent), max. S5 compatible communication • supported • supported • as server • as client • User data per job (of which consistent), max. S5 compatible communication • supported Number of connections	Yes Yes Yes Yes Yes 8 8 8 8 22 byte 22 byte Yes 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET as server) Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

— adjustable for PG communication, min.	1
 adjustable for PG communication, max. 	15
 usable for OP communication 	15
 reserved for OP communication 	1
 adjustable for OP communication, min. 	1
 adjustable for OP communication, max. 	15
 usable for S7 basic communication 	12
 reserved for S7 basic communication 	0
 adjustable for S7 basic communication, min. 	0
 adjustable for S7 basic communication, max. 	12
S7 message functions	
Number of login stations for message functions, max.	16; Depending on the configured connections for PG/OP and S7 basic
Number of login stations for message failetions, max.	communication
Process diagnostic messages	Yes
simultaneously active Alarm_S blocks, max.	300
Test commissioning functions	
Status block	Yes; Up to 2 simultaneously
Single step	Yes
Number of breakpoints	4
Status/control	
Status/control variable	Yes
Variables	Inputs, outputs, memory bits, DB, times, counters
 Number of variables, max. 	30
of which status variables, max.	30
— of which control variables, max.	14
Forcing	
• Forcing	Yes
• Forcing, variables	Inputs, outputs
Number of variables, max.	10
Diagnostic buffer	
• present	Yes
Number of entries, max.	500
	No
— adjustable	
— of which powerfail-proof	100; Only the last 100 entries are retained
Number of entries readable in RUN, max.	V-22 F-22 40 to 400
— adjustable	Yes; From 10 to 499
— preset	10
Service data	
• can be read out	Yes
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes; File E239877
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
• ATEX	Yes
Railway application	
• EN 50155	No
	110
Ambient conditions	
Ambient temperature during operation	
• min.	-25 °C
• max.	60 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Altitude during operation relating to sea level	
Installation altitude above sea level, max.	2 000 m
Ambient air temperature-barometric pressure-altitude	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m)
Relative humidity	111111 1111ax at 1 140 111 a 100 111 a (-1 000 111 12 000 111)
Rolative Harmany	
 With condensation, tested in accordance with IEC 60068- 	100 %; RH incl. condensation/frost (no commissioning under condensation

2-38, max.	conditions)		
Resistance	conditions)		
Use in stationary industrial systems			
to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus an Class 3B3 on request	nd dry rot spores (with th	e exception of fauna);
to chemically active substances according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *		
to mechanically active substances according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust, *		
Use on ships/at sea			
to biologically active substances according to EN	Yes: Class 6B2 mold and funda	al spores (excluding faun	a): Class 6B3 on
60721-3-6 — to chemically active substances according to EN	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity		
60721-3-6 — to mechanically active substances according to EN	degree 3); * Yes; Class 6S3 incl. sand, dust; *		
60721-3-6 Usage in industrial process technology	Too, Glado dee moi. dana, dade	,	
Against chemically active substances acc. to EN 60654-4	Yes; Class 3 (excluding trichlore	ethylene)	
Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04	Yes; Level GX group A/B (exclusion concentrations up to the limits of LC3 (salt spray) and level LB3 (of EN 60721-3-3 class 30	
Remark			
 Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 	* The supplied plug covers mus during operation!	t remain in place over th	e unused interfaces
configuration / header			
Configuration software			
• STEP 7	Yes; V5.2 SP1 or higher with H	W update	
configuration / programming / header			
Command set	see instruction list		
Nesting levels	8		
System functions (SFC)	see instruction list		
System function blocks (SFB)	see instruction list		
Programming language			
— LAD	Yes		
— FBD			
— STL	Yes		
— SCL	Yes Yes		
— CFC	Yes		
— GRAPH			
	Yes		
— HiGraph®	Yes		
Know-how protection			
 User program protection/password protection 	Yes		
Block encryption	Yes; With S7 block Privacy		
Dimensions			
Width	40 mm		
Height	125 mm		
Depth	130 mm		
Weights			
Weight, approx.	290 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

8

EC000236

ETIM

ETIM	7	EC000236
IDEA	4	3565
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

<u>Miscellaneous</u>



Manufacturer Declaration







EMV

For use in hazardous locations

Functional Saftey

<u>KC</u>







CCC-Ex



Test Certificates



last modified:

12/8/2024

