## SIEMENS

## Data sheet

## 6ES7352-5AH01-0AE0



SIMATIC S7-300, FM352-5 with NPN output, High Speed Boolean Processor, for high-speed linking, 12 DI, 8 DO, 1 encoder interface for RS422 incr./SSI encoder

Fi	gure	simi	ar

Supply voltage			
Load voltage L+			
Rated value (DC)	24 V		
<ul> <li>permissible range, lower limit (DC)</li> </ul>	20.4 V		
<ul> <li>permissible range, upper limit (DC)</li> </ul>	28.8 V		
<ul> <li>Reverse polarity protection</li> </ul>	Yes		
Input current			
from load voltage1L+, max.	150 mA; typ. 60 mA		
from load voltage 2L+ (without load), max.	200 mA; typ. 60 mA, DI/DO supply		
from load voltage 3L+ (with encoder), max.	600 mA; typ. 80 mA plus encoder supply		
from load voltage 3L+ (without load), max.	200 mA; typ. 80 mA		
from backplane bus 5 V DC, typ.	135 mA		
Encoder supply			
5 V encoder supply			
• 5 V	Yes		
Short-circuit protection	Yes; Electronic overload protection; no protection on applying a normal or counter voltage.		
<ul> <li>Output current, max.</li> </ul>	250 mA		
24 V encoder supply			
• 24 V	Yes		
Short-circuit protection	Yes; Overvoltage and overheating protection if overloaded; diagnostics if output reaches temperature limit; no protection on applying a normal or counter voltage		
<ul> <li>Output current, max.</li> </ul>	400 mA		
Power loss			
Power loss, typ.	6.5 W		
Memory			
Type of memory	RAM		
Memory size	128 kbyte; required for operation, MMC		
Digital inputs			
Number of digital inputs	8; Standard and up to 12 with 24 V DC encoder inputs as digital inputs		
Input voltage			
<ul> <li>Rated value (DC)</li> </ul>	24 V		
• for signal "0"	-30 to +5 V		
• for signal "1"	+11 to +30V		
Input current			
<ul> <li>for signal "0", max. (permissible quiescent current)</li> </ul>	1.5 mA		
<ul> <li>for signal "1", typ.</li> </ul>	3.8 mA		
Input delay (for rated value of input voltage)			

	200.111
<ul> <li>Input frequency (with a time delay of 0.1 ms), max.</li> </ul>	200 kHz
<ul> <li>programmable digital filter delay</li> </ul>	None, 5 µs, 10 µs, 15 µs, 20 µs, 50 µs, 1.6 ms
<ul> <li>Minimum pulse width for program reactions</li> </ul>	1 µs, 5 µs, 10 µs, 15 µs, 20 µs, 50 µs, 1,6 ms
for standard inputs	
— at "0" to "1", max.	3 μs; typ. 1.5 μs
Cable length	
• shielded, max.	600 m
<ul> <li>unshielded, max.</li> </ul>	100 m; Shielded cable recommended if filtering delay is set to less than 1.6 ms
Digital outputs	1.0 113
Number of digital outputs	8
Current-sinking	Yes
Current-sourcing	No
Short-circuit protection	Yes; Overvoltage protection, thermal protection
Response threshold, typ.	1.7 to 3.5 A
Limitation of inductive shutdown voltage to	2M -45 V typ., (-40 V to -55 V); comment: no protection against
Limitation of inductive shutdown voltage to	inductive kickback >55 mJ
Controlling a digital input	No
Switching capacity of the outputs	
• on lamp load, max.	5 W
Output voltage	
Rated value (DC)	24 V
• for signal "0", max.	28.8 V
• for signal "1", max.	0.5 V
Output current	
● for signal "1" rated value	0.5 A; At 60 °C
<ul> <li>for signal "1" permissible range for 0 to 60 °C, min.</li> </ul>	5 mA
<ul> <li>for signal "1" permissible range for 0 to 60 °C, max.</li> </ul>	600 mA
<ul> <li>for signal "0" residual current, max.</li> </ul>	1 mA
Output delay with resistive load	
• "0" to "1", max.	1 μs; 0.6 μs 50 mA / 1.0 μs 0.5 A
• "1" to "0", max.	1.5 µs; 1.7 µs 50 mA / 1.5 µs 0.5 A
Parallel switching of two outputs	
for uprating	Yes; 2
Switching frequency	100, 2
with resistive load, max.	100 kHz; 20 kHz at 0.5 A; 100 kHz at 0.25 A
with inductive load, max.	2 Hz; 2 Hz at 0.5 A with external commutator diodes; 0.5 Hz at 0.5 A
	without external commutator diodes
<ul> <li>on lamp load, max.</li> </ul>	10 Hz
Cable length	
• shielded, max.	600 m
• unshielded, max.	100 m
Encoder	
Connectable encoders	
Incremental encoder (symmetrical)	Yes
Incremental encoder (asymmetrical)	Yes
Absolute encoder (SSI)	Yes
2-wire sensor	Yes
<ul> <li>permissible quiescent current (2-wire sensor),</li> </ul>	1.5 mA
max.	
Encoder signals, incremental encoder (symmetrical)	
Trace mark signals	A, notA, B, notB
Zero mark signal	N, notN
Input voltage	5 V difference signal (phys. RS 422)
<ul> <li>Input frequency, max.</li> </ul>	500 kHz
Cable length, shielded, max.	100 m; 100 m with 24 V supply and 500 kHz; 32 m with 5 V supply and
	500 kHz
Encoder signals, incremental encoder (asymmetrical)	
<ul> <li>Trace mark signals</li> </ul>	Α, Β
<ul> <li>Zero mark signal</li> </ul>	Ν
Input voltage	24 V

Cable length, shielded, max.     Som Cable length, PLT, intromental encoder, Silamens, type PS2001- 4:50 KHz, 25 m shielded, max, 25 KHz, 50 m shielded, max, 20 KHz, 50 KHz	<ul> <li>Input frequency, max.</li> </ul>	200 kHz		
A 200 kHz, 25 m Shielded, max, 25 kHz, 50 m shielded, mix.     Chas signal     A char signal     Chas signal     Char sig				
• Data signal     DATA. notDATA       • Clock signal     DATA. notDATA       • Clock signal     Telegram length, parameterizable     13 or 25 bit       • Clock signal ength, shreleder, max.     32 off, m. 4125 kHz     33 or 14 25 kHz       • Monotop time     settable: 1602/4964 µs       • Listening mode     Ves, or or two stations       • Multitum     Ves, 25 bit message frame       • Endore signal evaluation     Ves       • Counting direction, forward     Yes       • Counting direction, forward     Yes       • Counting direction, forward     Yes       • Counting direction, backward     Yes       • Paint-Logonic tensoration     PLC Interface: 1.7 ms       • Hitternput Registration and the information     Yes in the set of the set o				
<ul> <li>Clock signal</li> <li>Clock signal</li> <li>Clock frequency, max.</li> <li>Clock frequency, max.</li> <li>Clock frequency, max.</li> <li>Mthz; 125 MHz, 250 MHz, 500 MHz or 1 MHz</li> <li>S20 m. M 125 MHz</li> <li>S20 m 126 MHz</li> <li>S20 mHz</li> <li>S20 mHz</li> <li>S20 mHz</li> <li>S</li></ul>	Encoder signals, absolute encoder (SSI)			
<ul> <li>Telego<sup>m</sup> length, parameterizable</li> <li>13 or 25 bit</li> <li>Clock frequery, max.</li> <li>Miker, 125 kHz, 200 kHz, 500 kHz or 1 MHz</li> <li>Cable length, shielded, max.</li> <li>320 m; At 125 kHz</li> <li>Monofop time</li> <li>estable: 1603/4004 µs</li> <li>Statis indication of two stations</li> <li>Multitum</li> <li>Yes, 25 bit message frame</li> <li>Counting direction, forward</li> <li>Yes</li> <li>Path output response time</li> <li>Stippit bit 24 V output, 0 filter: 1 to 4 µs (typ.); 24 V input to 24 V</li> <li>output of response times</li> <li>PLC interface: 17 ms</li> <li>Hierrage/Statigned/Statis/Statis information</li> <li>Ansms</li> <li>Ves: 11, 24, 31, missing, MMC error; output overload (8) encoder supply overload; differential wire break, parameterization error; SSI message frame overlow</li> <li>Hardware interrupt</li> <li>Yes: 8 available; for generation by user program</li> <li>Dalagnostic alarm</li> <li>Ves: 4 available; for generation by user program</li> <li>Dalagnostic alarm</li> <li>Ves: 5 available; for generation by user program</li> <li>Dalagnostic for the statis information</li> <li>RUNSTOP LED</li> <li>Ves</li> <li>Modula supply 5 VD (green)</li> <li>Ves</li> <li>Modula supply 5 VD (green)</li> <li>Ves</li> <li>Modula supply 5 VD (green)</li> <li>Ves</li> <li>Status indicator digital input (green)</li> <li>Ves: 10 to 111</li> <li>Status indicator digital output (green)</li> <li>Ves: 10 to 111</li> <li>Status indicator digital output (green)</li> <li>Ves: 10 to 111</li> <li>Status indicator digital output (green)</li> <li>Ves: 10 to 111</li> <li>Status indicator digital out</li></ul>		DATA, notDATA		
Occos frequency, max.     Counting max.     Counting max.     Counting max.     Counting max.     Counting max.     Counting direction, forward     Ves: one or two stations     Ves: one or two stations     Ves: one or two stations     Counting direction, backward     Ves.     Counting direction, backward     Ves.     Counting direction, backward     Ves.     Counting direction, backward     Ves.     Counting max.     Ves.     Counting max.     Ves.	<ul> <li>Clock signal</li> </ul>	CK, notCK		
• Cable length, shielded, max.     320 m, At 128 kHz       • Monolop time     setable: 163248884 µs       • Monolop time     setable: 163248884 µs       • Muttum     Yes: 25 bit message frame       • Counting direction, forward     Yes       • Counting direction, forward     Yes       • Counting direction, forward     Yes       • Counting direction, backward     Yes       • Counting direction, backward     Yes       • Counting frames     PLC interface: 1.7 ms       • Updating times     PLC interface: 1.7 ms       • Diagnostic calcel us information     Yes: 14, 24, 34, missing: MMC error: output overload (8); encoder supply overload (6); encoder supply overload (7); encoder supply over	<ul> <li>Telegram length, parameterizable</li> </ul>	13 or 25 bit		
• Monorlog time     settable: 16/2248/84 µs       • Listering mode     Yes; core or two stations       • Multium     Yes; 25 bit message frame       Finader signal evaluation     Yes       • Counting direction, forward     Yes       • Counting direction, backward     Yes       Papente times     5 V Input to 24 V output, 0 fitter: 1 to 4 µs (typ.): 24 V input to 24 V       Input- to output response time     5 V Input to 21 to 6 µs (typ.)       • Updating times     PLC Interface: 1.7 ms       Interrupts/diagnostics/status information     Jaarma       • Olignostic alarm     Ves: 11, 21, 3, missing: MMC error: output overload (8); encoder supply output of differ: 14 to 4 µs (typ.): 24 V input to 24 V       • Olignostic alarm     Ves: 11, 21, 3, missing: MMC error: output overload (8); encoder supply output of filters: 1.7 ms       Interrupts/diagnostics/status information     Yes: 11, 21, 3, missing: MMC error: output overload (8); encoder supply output of the brack, parameterization error; SSI message frame overflow       • Hardware interrupt     Yes: 3 variabile; for generation by user program       Diagnostic indication LED     Yes       • Wre-brack in signal transmitter cable     Yes       • Mode supply SO DC (green)     Yes       • Mode supply SO DC (green)     Yes       • Mode supply SO DC (green)     Yes       • Overload encoder supply voltage 24 V F (red)     Yes       • Overload en	<ul> <li>Clock frequency, max.</li> </ul>	1 MHz; 125 kHz, 250 kHz, 500 kHz or 1 MHz		
• Listening mode     Yes; one or two stations       • Multium     Yes; 25 bit message frame       • Counting direction, backward     Yes       • Input- to output response time     5 Vinput to 24 V output, 0 filter: 1 to 4 µs (typ.); 24 V input to 24 V output, 0 filter: 2 to 6 µs (typ.)       • Interfaces     • Point-to-point connection       • Updating times     PLC interface: 1.7 ms       • Interrupt 40 Mapsatiles/status information     • Alarms       • Diagnostic alarm     Yes; 11, 2, 1, 3, 1, missing: MAC error: output overhead (8); encoder supply overhead; for generation by user program       • Diagnostic alarm     Yes; 8 available; for generation by user program       • Wire-break in signal transmitter cable     Yes       • Overflow/underflow     Yes       • Wire-break in signal transmitter cable     Yes       • Wore-break in signal transmitter cable     Yes       • Wore-break in signal transmitter cable     Yes       • Wore-break in signal transmitter cable     Yes       • Overflow/underflow     Yes       • Wore-break in signal transmitter cable     Yes       • Overflow/underflow     Yes       • Overflow/underflow     Yes       • Overflow/underflow     Yes	<ul> <li>Cable length, shielded, max.</li> </ul>	320 m; At 125 kHz		
• Nultitum     Yes; 25 bit message frame       Encoder signal evaluation     • Counting direction, forward     Yes       • Counting direction, forward     Yes       Persones times     5 V input to 24 V output, 0 fitter: 1 to 4 us (typ.); 24 V input to 24 V output, 0 fitter: 2 to 6 us (typ.)       Interfaces     • Updating times       • Updating times     • Ucinterface: 1.7 ms       Interrupts/diagnostics/status information     • Ves; 8 available, for generation by user program       • Diagnostic alarm     Yes; 9 ves; 8 available, for generation by user program       • Order own More Ves; 8 available, for generation by user program     • Diagnostic sinterrupt       • Own Mondule Supply 5 V DC (green)     Yes       • RUNSTOP LED     Yes       • March denord PC (red)     Yes       • March denord error MCF (red)     Yes       • Status inclastor digital input (green)     Yes; 10 to 111       • Status inclastor digital input (green)     Yes; 10 to 111       • Status inclastor digital input (green)     Yes; 10 to 111       • Status inclastor digital input (green)     Yes; 10 to 111       • Status inclastor digital input (green)     Yes; 10 to 111       • Status inclastor digital input (green)     Yes; 10 to 111	Monoflop time	settable: 16/32/48/64 µs		
Encoder signal evaluation     Yes       • Counting direction, backward     Yes       Response times     5 V input to 24 V output. 0 fitter: 1 to 4 µs (typ.); 24 V input to 24 V output, 0 fitter: 2 to 6 µs (typ.)       Input- to output response time     5 V input to 24 V output. 0 fitter: 1 to 4 µs (typ.); 24 V input to 24 V output, 0 fitter: 2 to 6 µs (typ.)       Intercopts/disponenticols/status information     PLC interface: 1.7 ms       Intercopts/disponenticols/status information     Yes: 1L, 2L, 3L, missing; MMC error; output overload (8); encoder supply overload; differential wire break; parameterization error; SSI message frame overflow       • Diagnostic alarm     Yes: 1L, 2L, 3L, missing; MMC error; output overload (8); encoder supply overload; differential wire break; parameterization error; SSI message frame overflow       • Hardware interrupt     Yes: 8 available; for generation by user program       Diagnostic alarm     Yes       • Overflow/underflow     Yes       • Ninsing load votage     Yes       • Rodule supply 5 V DC (green)     Yes       • Wer Overflow and error MCF (red)     Yes       • Status indicator digital output (green)     Yes; 10 to 111       • Status indicator digital output (green)     Yes; 10 to 111       • Status indicator digital output (green)     Yes       • Overload encoder supply votage 24 V F (red)     Yes       • Overload encoder supply votage 24 V F (red)     Yes       • Counting range, description	Listening mode	Yes; one or two stations		
• Counting direction, backward     Yes       • Counting direction, backward     Yes       Response time     5 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 2 to 6 ps (typ.)       Input- to output response time     5 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V output, 0 filter: 1 to 4 us (typ.): 24 V input to 24 V       Point connection     • Us attus information       Atarms     • Us of attus information       Atarms     Yes: 1, 2L, 3L, missing MMC error, output overload (8); encoder supply overload; differential web treak; parameterization error; SS in ressage frame overflow       • Hardware interupt     Yes (8 available; for generation by user program       Diagnostic sindication LED     Yes       • RUNSTOP LED     Yes       • Module supply 5 V DC (green)     Yes       • Module supply for 10 for (red)     Yes       • Status indicator digital input (green)     Yes; 10 to 1 1       •		Yes; 25 bit message frame		
• Counting direction, backward     Yes       Response times     5 V input to 24 V output, 0 filter: 1 to 4 us (typ.); 24 V input to 24 V output, 0 filter: 2 to 6 µs (typ.)       Interfaces     Point-to-point connection       • Updating times     PLC interface: 1.7 ms       Interrupts/diagnostics/status information     Atarms       • Diagnostic clarm     Ves: 11, 2L, 3L, missing: MMC error; output overload (8); encoder supply overload; differential wire break; parameterization error; SSI message       • Hardware interrupt     Yes; 8 available; for generation by user program       Diagnostic status     Yes       • Overflow/underflow     Yes       • Overflow/underflow     Yes       • Overflow/underflow     Yes       • Micro Menory Card error MCF (red)     Yes       • Micro Menory Card error MCF (red)     Yes       • Overflow/underflow     Yes: 10 to 111       • Status indicator digital oupt (green)     Yes; 10 to 11       • Status indicator digital oupt (green)     Yes; 0 to 0 7       • Overflow under flow     Yes       • Overflow under supply vottage 24 V F (red)     Yes       • Counting range, description     Yes; 12 / 48 3647       Counting range, description     2147 483 647       • Counting range, outing and yes     Yes       • Counting range, outing conde; continuous     Yes       • Counting range, continuous				
Response time         5 V input to 24 V output, 0 filter: 1 to 4 µs (typ.); 24 V input to 24 V output, 0 filter: 2 to 6 µs (typ.)           Pointed point connection         • Updating times         PLC interface: 1.7 ms           Pointed point connection         • Updating times         PLC interface: 1.7 ms           Interfaces         • Updating times         PLC interface: 1.7 ms           Interrupts/diagnostics/status information         Aarms         • Usignostic sistatus information           Alarms         • Usignostic alarm         Yes; 1, 2L, 3L, missing; MMC error; output overload (8); encoder supply overload); differential wire break; parameterization error; SSI message frame overflow           • Hardware interrupt         Yes; 8 available; for generation by user program           Diagnostics indication LED         Yes           • Wire-break in signal transmitter cable         Yes           • Northermory Care form MCF (red)         Yes           • Northermory Care form MCF (red)         Yes           • Northermory Care form MCF (red)         Yes           • Status indicator digital input (green)         Yes; 10 to 111           • Status indicator digital output (green)         Yes; 10 to 111           • Overload encoder supply voltage 24 V F (red)         Yes           • Counting range, description         Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32	_			
Input-to output response time       5 Vinput to 24 V output 0 filter: 1 to 4 µs (typ.); 24 V input to 24 V         Interfaces       Point-to-point connection       -Updating times         Point-to-point connection       -Updating times       PLC interface: 1.7 ms         Interrupts/diagnostics/status information       Airms       -Updating times         Airms       Ves; 1, 2L, 3L, missing; MMC error; output overload (8); encoder supply overload; differential wire break; parameterization error; SSI message frame overflow         - Hairdware interrupt       Yes; 8 available; for generation by user program         Diagnossite       Yes         - Work-break in signal transmitter cable       Yes         - Working downlog cat error MCF (red)       Yes         - Notoule supply 5 V DC (green)       Yes         - Working demony Card error MCF (red)       Yes; 0 to 111         - Status indicator digital output (green)       Yes; 0 to 111         - Status indicator digital output (green)       Yes; 2 0 to 0 C 7         - Overload encoder supply voltage 5 V F		Yes		
Interfaces       Point-to-point connection       • Updating times       PLC interface: 1.7 ms       Interrupts/dlagnostics/status information       Alarms       • Diagnostic alarm       • Vers; 1L, 2L, 3L missing; MMC error; output overload (8); encoder supply overload; differential wire break; parameterization error; SSI message frame overflow       • Hardware interrupt     Yes; 1, 2L, 3L missing; MMC error; output overload (8); encoder supply overload; differential wire break; parameterization error; SSI message frame overflow       • Hardware interrupt     Yes; 3 available; for generation by user program       Diagnoses     Yes; 0 verflow/underflow       • Overflow/underflow     Yes       • Outputs JOF (refl)     Yes       • NUNSTOP LED     Yes; 10 to 111       • KUNSTOP LED     Yes; 10 to 111       • Status indicator digital input (green)     Yes; 10 to 111       • Status indicator digital input (green)     Yes; 10 to 111       • Status indicator digital input (green)     Yes; 0 to 0 Q 7       • Overflow encoder supply voltage 5 V F (red)     Yes       Counting range, description     Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range)       • Counting mode, continuous     Yes	Response times			
Point-to-point connection <ul> <li>Updating times</li> <li>PLC interface: 1.7 ms</li> <li>Plams</li> <li>Diagnostic status information</li> <li>Alarms</li> <li>Diagnostic alarm</li> <li>Yes; 1L, 2L, 3L missing; MMC error; output overload (8); encoder supply overload; differential wire break; parameterization error; SSI message frame overflow</li> <li>Hardware interrupt</li> <li>Yes; 8 available; for generation by user program</li> <li>Diagnoses</li> <li>Wire-break in signal transmitter cable</li> <li>Overflow/underflow</li> <li>Yes</li> <li>Overflow/underflow</li> <li>Yes</li> <li>Diagnostic sinclastion LED</li> <li>RUN/STOP LED</li> <li>Yes</li> <li>Module supply 5 VD (green)</li> <li>Yes (10 to 111</li> <li>Yes; 10 to 111</li> <li>Status indicator digital input (green)</li> <li>Yes; 0 to 111</li> <li>Status indicator digital output (green)</li> <li>Yes; 0 to 111</li> <li>Status indicator digital input (green)</li> <li>Yes; 0 to 111</li> <li>Status indicator digital output (green)</li> <li>Yes; 0 to 111</li> <li>Status indicator digital output (green)</li> <li>Yes; 0 to 111</li> <li>Status indicator digital output (green)</li> <li>Yes; 0 to 111</li> <li>Status indicator digital put</li> <li>Counting range, description</li> <li>Counting range, closer timit</li> <li>2 147 483 643</li> <li>Counting range, icker timit</li> <li>2 147 483 647</li> <li>Counting mode, individual</li> <li>Yes</li> <li>Counting mode, continuous</li> <li>Yes</li> <li>Counting mode, continuous</li> <li>Yes</li> <li>Potential separation digital inputs</li> <li>Yes, Yes CPU, I/O and sensor units are isolated</li></ul>	Input- to output response time	5 V input to 24 V output, 0 filter: 1 to 4 $\mu$ s (typ.); 24 V input to 24 V output, 0 filter: 2 to 6 $\mu$ s (typ.)		
• Updating times     PLC interface: 1.7 ms       Interrupts/diagnostic/status information       Alarms       • Diagnostic alarm     Ves: 11, 21, 31, missing: MMC error; output overload (8); encoder supply overload inferential wire break; parameterization error; SSI message frame overflow       • Hardware interrupt     Yes: 8 available; for generation by user program       Diagnoses     • Overflow/underflow       • Overflow/underflow     Yes       • Overflow/underflow     Yes       • Mico Memory Carle overflow     Yes       • NuN/STOP LED     Yes       • Module supply 5V DC (green)     Yes       • Mico Memory Carl error MCF (red)     Yes       • Overflow digital input (green)     Yes; 10 to 111       • Status indicator digital input (green)     Yes; 00 to 0 7       • Overload encoder supply voltage 24 V F (red)     Yes       • Overload encoder supply voltage 5 V F (red)     Yes       • Counting range, lower limit     2 147 483 648       • Counting range, lower limit     2 147 483 648       • Counting mode     Yes       • Counting mode, individual     Yes       • Counting mode, individual     Yes       • Counting mode, individual     Yes       • Counting mode, periodic     Yes       • Counting mode, periodic     Yes       • Counting mode, periodic     Yes	Interfaces			
Interrupts/diagnostics/status information         Alarms         Diagnostic alarm         Ves: 1L, 2L, 3L missing: MMC error: output overload (8): encoder supply overload; differential wire break; parameterization error; SSI message frame overflow         Ves: 8 available: for generation by user program         Diagnoses         • Wire-break in signal transmitter cable       Yes         • Overflow/underflow       Yes         • Ninsing load voltage       Yes         Diagnostics indication LED       Yes         • RUNSTOP LED       Yes         • Micro Memory Card error MCF (red)       Yes         • Overflow/underflow       Yes         • Overflow of digital input (green)       Yes: 10 to 111         • Status indicator digital output (green)       Yes; 20 to 0 7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 24 V F (red)       Yes         Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32-bit counters): -2 147 483 648 to 2 147         Counting mode, periodic       Yes         • Counting mode, periodic	Point-to-point connection			
Alarms       Ulagnostic alarm       Yes; 1L, 2L, 3L missing; MMC error; output overload (8); encoder supply overload; differential wire break; parameterization error; SSI message frame overflow         Hardware interrupt       Yes; 8 available; for generation by user program         Diagnoses       Yes; 8 available; for generation by user program         Overflowinderflow       Yes         • Wire-break in signal transmitter cable       Yes;         • Overflowinderflow       Yes         • Overflowinderflow       Yes         • RUNSTOP LED       Yes         • RUNSTOP LED       Yes         • Micro Memory Carl error MCF (red)       Yes         • Micro Memory Carl error MCF (red)       Yes         • Group error SF (red)       Yes; 10 to 111         • Status indicator digital output (green)       Yes; 20 to Q 7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counting range, lower limit       -2 147 483 648         • Counting range, lower limit       -2 147 483 648         • Counting mode, individual       Yes         • Counting mode, individual       Yes         • Counting mode, periodic       Yes         Potential separation       Yes; Yes CPU, I/O and sensor units are isolated	Updating times	PLC interface: 1.7 ms		
Diagnostic alarm     Yes, 1L, 2L, 3L missing; MMC error; output overload (8); encoder supply overload; differential wire break; parameterization error; SSI message frame overflow     Hardware interrupt     Yes, 8 available; for generation by user program     Output     Vers, 8 available; for generation by user program     Vers, 9 ver	Interrupts/diagnostics/status information			
• Hardware interrupt       Yes; 8 available; for generation by user program         Diagnoses       • Wire-break in signal transmitter cable       Yes;         • Wire-break in signal transmitter cable       Yes         • Overflow/underflow       Yes         • Northow/underflow       Yes         • Wire-break in signal transmitter cable       Yes         • Overflow/underflow       Yes         • RUN/STOP LED       Yes         • Module supply 5 V DC (green)       Yes         • Micro Memory Card error MCF (red)       Yes         • Group error SF (red)       Yes         • Status indicator digital input (green)       Yes; 10 to 111         • Status indicator digital output (green)       Yes; 20 to Q 7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range): counting range, (32-bit counters): -2 147 483 648 to 2 147 483 647         Counting mode, individual       Yes         • Counting mode, periodic       Yes         • Counting mod	Alarms			
Diagnoses       • Wire-break in signal transmitter cable       Yes         • Overflow/underflow       Yes         • Overflow/underflow       Yes         • missing load voltage       Yes         Diagnostics indication LED       Yes         • Module supply 5 V DC (green)       Yes         • Module supply 5 V DC (green)       Yes         • Module supply 5 V DC (green)       Yes         • Moro Memory Card error MCF (red)       Yes         • Status indicator digital input (green)       Yes; 10 to 111         • Status indicator digital output (green)       Yes; Q 0 to Q 7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counting range, lower limit       -2 147 483 648         Counting range, lower limit       -2 147 483 648         Counting mode       -2 147 483 648         • Counting mode, individual       Yes         • Counting mode, periodic       Yes         • Overload, periodic       Yes         Potential separation	Diagnostic alarm	overload; differential wire break; parameterization errror; SSI message		
Diagnoses       • Wire-break in signal transmitter cable       Yes         • Overflow/underflow       Yes         • Overflow/underflow       Yes         • missing load voltage       Yes         Diagnostics indication LED       Yes         • Module supply 5 V DC (green)       Yes         • Module supply 5 V DC (green)       Yes         • Module supply 5 V DC (green)       Yes         • Moro Memory Card error MCF (red)       Yes         • Status indicator digital input (green)       Yes; 10 to 111         • Status indicator digital output (green)       Yes; Q 0 to Q 7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counting range, lower limit       -2 147 483 648         Counting range, lower limit       -2 147 483 648         Counting mode       -2 147 483 648         • Counting mode, individual       Yes         • Counting mode, periodic       Yes         • Overload, periodic       Yes         Potential separation	Hardware interrupt	Yes; 8 available; for generation by user program		
• Overflow/underflow       Yes         • missing load voltage       Yes         Diagnostics indication LED       • RUNSTOP LED         • RUNSTOP LED       Yes         • Module supply 5 V DC (green)       Yes         • Module supply 5 V DC (green)       Yes         • Micro Memory Card error MCF (red)       Yes         • Group error SF (red)       Yes         • Status indicator digital input (green)       Yes; 10 to 1 11         • Status indicator digital output (green)       Yes; 20 to 0 Q 7         • Overhoad encoder supply voltage 24 V F (red)       Yes         • Overhoad encoder supply voltage 24 V F (red)       Yes         • Overhoad encoder supply voltage 5 V F (red)       Yes         Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range): counting range (32-bit counters): -2147 483 648 to 2 147         Counting range, lower limit       2 147 483 647         Counting range, upper limit       2 147 483 648         Counting mode, individual       Yes         • Counting mode, individual       Yes         • Counting mode, individual       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         Potential separation digital inputs       Yes; Yes CPU,				
• Overflow/underflow       Yes         • missing load voltage       Yes         Diagnostics indication LED       • RUNSTOP LED         • RUNSTOP LED       Yes         • Module supply 5 V DC (green)       Yes         • Module supply 5 V DC (green)       Yes         • Micro Memory Card error MCF (red)       Yes         • Group error SF (red)       Yes         • Status indicator digital input (green)       Yes; 10 to 1 11         • Status indicator digital output (green)       Yes; 20 to 0 Q 7         • Overhoad encoder supply voltage 24 V F (red)       Yes         • Overhoad encoder supply voltage 24 V F (red)       Yes         • Overhoad encoder supply voltage 5 V F (red)       Yes         Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range): counting range (32-bit counters): -2147 483 648 to 2 147         Counting range, lower limit       2 147 483 647         Counting range, upper limit       2 147 483 648         Counting mode, individual       Yes         • Counting mode, individual       Yes         • Counting mode, individual       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         Potential separation digital inputs       Yes; Yes CPU,	0	Yes		
Diagnostics indication LED       Yes         • RUN/STOP LED       Yes         • Module supply 5 V DC (green)       Yes         • I/O status ICF (red)       Yes         • Micro Memory Card error MCF (red)       Yes         • Group error SF (red)       Yes         • Status indicator digital input (green)       Yes; 0 to 111         • Status indicator digital output (green)       Yes; 0 to 0 Q 7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range)         Counting range, lower limit       -2 147 483 648         Counting range, lower limit       2 147 483 647         Counting mode       Yes         • Counting mode, individual       Yes         • Counting mode, continuous       Yes         • Counting mode, periodic       Yes         • Counting mode, periodic       Yes         • Potential separation       Yes         Potential separation digit	-	Yes		
Diagnostics indication LED       Yes         • RUN/STOP LED       Yes         • Module supply 5 V DC (green)       Yes         • I/O status ICF (red)       Yes         • Micro Memory Card error MCF (red)       Yes         • Group error SF (red)       Yes         • Status indicator digital input (green)       Yes; I 0 to I 11         • Status indicator digital output (green)       Yes; Q 0 to Q 7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counter       Counting range, description       Yes         Counting range, lower limit       -2 147 483 647 (user-specific within this range)         Counting range, lower limit       -2 147 483 647         Counting mode       -2 147 483 648         Counting mode, individual       Yes         • Counting mode, continuous       Yes         • Counting mode, periodic       Yes         • Counting mode, periodic       Yes         • Potential separation       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient temperature during operation       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	<ul> <li>missing load voltage</li> </ul>	Yes		
<ul> <li>Module supply 5 V DC (green)</li> <li>Ves</li> <li>Vo status IOF (red)</li> <li>Yes</li> <li>Micro Memory Card error MCF (red)</li> <li>Yes</li> <li>Group error SF (red)</li> <li>Yes</li> <li>Status indicator digital input (green)</li> <li>Yes; I 0 to I 11</li> <li>Status indicator digital output (green)</li> <li>Yes; Q 0 to Q 7</li> <li>Overload encoder supply voltage 24 V F (red)</li> <li>Yes</li> <li>Counting range, description</li> <li>Counting range, description</li> <li>Counting range, description</li> <li>Counting range, lower limit</li> <li>2147 483 647</li> <li>Counting mode, individual</li> <li>Yes</li> <li>Counting mode, continuous</li> <li>Yes</li> <li>Counting mode, continuous</li> <li>Yes</li> <li>Counting mode, continuous</li> <li>Yes</li> <li>Potential separation</li> <li>Potential separation digital inputs</li> <li>Yes; Yes CPU, I/O and sensor units are isolated</li> <li>Ambient temperature during operation</li> <li>O''C</li> <li>max.</li> <li>O''C</li> <li>max.</li> </ul>				
• I/O status IOF (red)       Yes         • Micro Memory Card error MCF (red)       Yes         • Group error SF (red)       Yes         • Status indicator digital input (green)       Yes; 10 to 1 11         • Status indicator digital output (green)       Yes; 20 to 0.7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counter       Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32-bit counters): -2 147 483 648 to 2 147 483 647 (user-specific within this range)         Counting range, lower limit       -2 147 483 648         Counting range, lower limit       2 147 483 648         Counting mode       2 147 483 648         Counting mode, individual       Yes         • Counting mode, individual       Yes         • Counting mode, eordinuous       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         • Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient temperature during operation       o °C         • max.       60 °C         Ambient temperature during storage/transportation       0 °C	RUN/STOP LED	Yes		
• I/O status IOF (red)       Yes         • Micro Memory Card error MCF (red)       Yes         • Group error SF (red)       Yes         • Status indicator digital input (green)       Yes; 10 to 1 11         • Status indicator digital output (green)       Yes; 20 to 0.7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counter       Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32-bit counters): -2 147 483 648 to 2 147 483 647 (user-specific within this range)         Counting range, lower limit       -2 147 483 648         Counting range, lower limit       2 147 483 648         Counting mode       2 147 483 648         Counting mode, individual       Yes         • Counting mode, individual       Yes         • Counting mode, eordinuous       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         • Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient temperature during operation       o °C         • max.       60 °C         Ambient temperature during storage/transportation       0 °C	<ul> <li>Module supply 5 V DC (green)</li> </ul>	Yes		
• Group error SF (red)       Yes         • Status indicator digital input (green)       Yes; I 0 to I 11         • Status indicator digital output (green)       Yes; Q 0 to Q 7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32-bit counters): -2 147 483 648 to 2 147         Counting range, lower limit       -2 147 483 644         Counting range, lower limit       -2 147 483 644         Counting mode, individual       Yes         • Counting mode, individual       Yes         • Counting mode, periodic       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient temperature during operation       0 °C         • max.       60 °C		Yes		
• Group error SF (red)       Yes         • Status indicator digital input (green)       Yes; I 0 to I 11         • Status indicator digital output (green)       Yes; Q 0 to Q 7         • Overload encoder supply voltage 24 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         • Overload encoder supply voltage 5 V F (red)       Yes         Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32-bit counters): -2 147 483 648 to 2 147         Counting range, lower limit       -2 147 483 644         Counting range, lower limit       -2 147 483 644         Counting mode, individual       Yes         • Counting mode, individual       Yes         • Counting mode, periodic       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient temperature during operation       0 °C         • max.       60 °C	Micro Memory Card error MCF (red)	Yes		
<ul> <li>Status indicator digital output (green)</li> <li>Yes; Q 0 to Q 7</li> <li>Overload encoder supply voltage 24 V F (red)</li> <li>Yes</li> <li>Overload encoder supply voltage 5 V F (red)</li> <li>Yes</li> <li>Counting range, description</li> <li>Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32-bit counters): -2 147 483 648 to 2 147 483 647 (user-specific within this range)</li> <li>Counting mode, individual</li> <li>Yes</li> <li>Counting mode, continuous</li> <li>Yes</li> <li>Potential separation</li> <li>between 1L and 2L and 3L.</li> <li>Potential separation digital inputs</li> <li>Potential separation digital inputs</li> <li>Yes; Yes CPU, I/O and sensor units are isolated</li> <li>Ambient temperature during operation</li> <li>o °C</li> <li>max.</li> <li>60 °C</li> </ul>		Yes		
<ul> <li>Status indicator digital output (green)</li> <li>Yes; Q 0 to Q 7</li> <li>Overload encoder supply voltage 24 V F (red)</li> <li>Yes</li> <li>Overload encoder supply voltage 5 V F (red)</li> <li>Yes</li> <li>Counting range, description</li> <li>Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32-bit counters): -2 147 483 648 to 2 147 483 647 (user-specific within this range)</li> <li>Counting mode, individual</li> <li>Yes</li> <li>Counting mode, continuous</li> <li>Yes</li> <li>Potential separation</li> <li>between 1L and 2L and 3L.</li> <li>Potential separation digital inputs</li> <li>Potential separation digital inputs</li> <li>Yes; Yes CPU, I/O and sensor units are isolated</li> <li>Ambient temperature during operation</li> <li>o °C</li> <li>max.</li> <li>60 °C</li> </ul>		Yes:   0 to   11		
Overload encoder supply voltage 24 V F (red) Overload encoder supply voltage 5 V F (red) Ves Countier Counting range, description Counting range, description Counting range, description Counting range, identified and the server of the				
Overload encoder supply voltage 5 V F (red) Yes Counter Counting range, description Counting range, description Counting range, description Counting range, lower limit -2 147 483 647 (user-specific within this range) Counting range, lower limit -2 147 483 648 Counting made, upper limit Counting made, upper limit Counting mode Counting mode, individual Yes Counting mode, continuous Yes Counting mode, periodic Yes Potential separation between 1L and 2L and 3L Yes Potential separation digital inputs Potential separation digital inputs Potential separation digital inputs Potential separation digital inputs Out Counting mode Out Counting mode Out Counting mode Out Counting mode, digital inputs Out Counting mode Out Counting mode Out Counting mode Out Counting mode, digital inputs Out Counting mode Out Counting mode Out Counting mode Out Counting mode, digital inputs Out Counting mode Out Counting mode Out Counting mode Out Counting mode, digital inputs Out Counting mode Out Counting mode, digital inputs Out Counting mode Out Counting Counti				
Counter       Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32-bit counters): -2 147 483 648 to 2 147 483 647 (user-specific within this range)         Counting range, lower limit       -2 147 483 648         Counting range, lower limit       -2 147 483 648         Counting range, upper limit       -2 147 483 648         Counting mode       -2 147 483 647         Counting mode, individual       Yes         • Counting mode, continuous       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         between 1L and 2L and 3L       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions       Ambient temperature during operation         • min.       0 °C         • max.       60 °C         Ambient temperature during storage/transportation       0 °C				
Counting range, description       Counting range (16-bit counters): -32 768 to 32 767 (user-specific within this range); counting range (32-bit counters): -2 147 483 648 to 2 147 483 647 (user-specific within this range)         Counting range, lower limit       -2 147 483 648         Counting range, upper limit       2 147 483 647         Counting mode       -2 147 483 647         • Counting mode, individual       Yes         • Counting mode, continuous       Yes         • Counting mode, periodic       Yes         • Detential separation       Yes         • Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions       0 °C         • max.       60 °C         Ambient temperature during storage/transportation       60 °C				
this range); counting range (32-bit counters): -2 147 483 648 to 2 147         483 647 (user-specific within this range)         Counting range, lower limit       -2 147 483 648         Counting range, upper limit       2 147 483 647         Counting mode       -2 147 483 647         Counting mode, individual       Yes         • Counting mode, continuous       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         • Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions       0 °C         • max.       60 °C         Ambient temperature during storage/transportation       0 °C		Counting range (16-bit counters): -32 768 to 32 767 (user-specific within		
Counting range, upper limit       2 147 483 647         Counting mode             • Counting mode, individual       Yes            • Counting mode, continuous       Yes            • Counting mode, periodic       Yes         Potential separation       Yes         between 1L and 2L and 3L       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions          0 °C          Ambient temperature during operation           0 °C             • max.          60 °C          Ambient temperature during storage/transportation		this range); counting range (32-bit counters): -2 147 483 648 to 2 147 483 647 (user-specific within this range)		
Counting mode       Yes         • Counting mode, individual       Yes         • Counting mode, continuous       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         between 1L and 2L and 3L       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	Counting range, lower limit	-2 147 483 648		
• Counting mode, individual       Yes         • Counting mode, continuous       Yes         • Counting mode, periodic       Yes         Potential separation       Yes         between 1L and 2L and 3L       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         • Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	Counting range, upper limit	2 147 483 647		
• Counting mode, continuous       Yes         • Counting mode, periodic       Yes         Potential separation          between 1L and 2L and 3L       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         • Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         • Ambient conditions       0 °C         • min.       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	Counting mode			
• Counting mode, periodic       Yes         Potential separation       Yes         between 1L and 2L and 3L       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         • Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions       Ambient temperature during operation         • min.       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	<ul> <li>Counting mode, individual</li> </ul>	Yes		
Potential separation         between 1L and 2L and 3L       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         • Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions       Ambient temperature during operation         • min.       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	<ul> <li>Counting mode, continuous</li> </ul>	Yes		
between 1L and 2L and 3L       Yes         Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         • Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions       Ambient temperature during operation         • min.       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	Counting mode, periodic	Yes		
Potential separation digital inputs       Yes; Yes CPU, I/O and sensor units are isolated         Ambient conditions       Ambient temperature during operation         • min.       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	Potential separation			
Potential separation digital inputs Yes; Yes CPU, I/O and sensor units are isolated      Ambient conditions      Ambient temperature during operation     o °C     o max.     Ambient temperature during storage/transportation	between 1L and 2L and 3L	Yes		
Ambient conditions         Ambient temperature during operation         • min.       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	Potential separation digital inputs			
Ambient temperature during operation       0 °C         • min.       0 °C         • max.       60 °C         Ambient temperature during storage/transportation	<ul> <li>Potential separation digital inputs</li> </ul>	Yes; Yes CPU, I/O and sensor units are isolated		
min.     0 °C     max.     60 °C Ambient temperature during storage/transportation	Ambient conditions			
• max. 60 °C	Ambient temperature during operation			
Ambient temperature during storage/transportation	• min.	0°C		
	• max.	60 °C		
• min40 °C	Ambient temperature during storage/transportation			
	• min.	-40 °C		

• max.	70 °C
configuration / header	
configuration / programming / header	
<ul> <li>Program cycle time (scan)</li> </ul>	1 µs
connection method / header	
required front connector	1x 40-pin
Dimensions	
Width	80 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	434 g; Module weight: approx. 434 g (with 1L connection and without I/O connection or MMC); shipping weight: approx. 500 g (with bus and 1L connection and without I/O connection or MMC)

last modified:

1/17/2021 🖸