## **SIEMENS**

## **Data sheet**

## 6ES7147-6BG00-0AB0



SIMATIC DP, ET 200ECO PN, 8 DIO 24 V DC/1.3 A; 8xM12, Degree of protection IP67  $\,$ 

Figure similar

General information	
Vendor identification (VendorID)	002AH
Device identifier (DeviceID)	0306H
Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes
power supply according to NEC Class 2 required	Yes
Load voltage 2L+	
<ul> <li>Rated value (DC)</li> </ul>	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	
Current consumption, typ.	100 mA
from supply voltage 1L+, max.	4 A
from load voltage 1L+ (unswitched voltage)	4 A
from load voltage 2L+, max.	4 A
Encoder supply	
24 V encoder supply	
Short-circuit protection	Yes; Electronic
<ul> <li>Output current, max.</li> </ul>	100 mA; per output
Power loss	
Power loss, typ.	6.5 W
Digital inputs	
Number of digital inputs	8
• in groups of	4
Input characteristic curve in accordance with IEC 61131, type 3	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 60 °C, max.	8
Input voltage	
<ul><li>Rated value (DC)</li></ul>	24 V
● for signal "0"	-3 to +5V
● for signal "1"	+11 to +30V
Input current	
● for signal "1", typ.	7 mA
Input delay (for rated value of input voltage)	

	for standard inputs	
	•	tunically 3 mc
Cable length		
● unshelded, max.  Number of digital outputs  ● in groups of  A groups of  Professional Control of Special		typically 5 ms
Digital subusts	-	30 m
Number of digital outputs		00 III
• In groups of		8
Short-circuit protection		
Response threshold, typ. Limitation of inductive shutdown voltage to Controlling a digital input Yes Switching capacity of the outputs on lamp load, max. Soly for signal "1" rated value for signal "1" rated value for signal "1" remissible range, max. if or signal "1" remissible range, max. for signal "1" remissible range, max. for signal "1" remissible range, max. for signal "0" residual current, max. for signal "0" residual current, max. for uprating for uprating for uprating for uprating for uprating for uprating for for redundant control of a load for redundant control of a load Yes Switching frequency  with resistive load, max. fold lumrent of the outputs (per group) all mounting positions — up to 60 "C, max.  Cable length function and the subject of the s		
Limitation of inductive shutdown voltage to Controlling a dightal input Yes  7 yp. (L1+, L2+) -47 V Yes  7 yes  9 on lamp load, max. 5 W  Coutout current  • for signal "1" retail value • for signal "1" residual current, max. • for signal "1" residual current, max. • 1.5 mA  Parallel swritching of two outputs • for redundant control of a load Yes  Switching frequency • with residive load, max. • with inductive load, max. • vith inductive load, max. • on lamp load, max. • on lamp load, max.  1 Hz  Total current of the outputs (per group) all mounting positions — up to 60 "C, max.  3.9 A  Cable length • unshielded, max.  2 with sensor — permissible quiescent current (2-wire sensor). max.  1.5 mA  Interfaces  1.5 mA  Interface  1.1 interface  Mit 2 port • Autonegotation • Autonegot	•	
Controlling a ligital input  Switching capacity of the outputs  on lamp load, max.  Switching capacity of the outputs  of or signal "1" rated value of or signal "1" rated value of or signal "1" remissible range, max. 1.3 A of or signal "0" readual current, max. 1.5 mA  Parallel switching of two outputs  of or uprating No of or redundant control of a load Yes  Switching frequency  owith resistive load, max. 10 Hz owith inductive load, max. 11 Hz  Total current of the outputs (per group) all mounting positions — up to 60 °C, max. 2.3 9 A Cabe length outplied, max. 3.0 m  Encodor  Connectable encoders  - 2 wire sensor — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure  Number of PROFINET interfaces  1 1.Interface  1 1.Interface  Multocrossing Yes  M12 port Autorogostation  Pyes  M2 port Autorogostation  Autorossing Yes  Autorossing Yes  Autorossing Yes  Proficial  No PROFINET in the prior "yes  Proficial No PROFINET in the prior "yes  Proficial No PROFINET in the prior "yes  Proficial No PROFINET in the prior "yes  Proficial No PROFINET in the prior "yes  Proficial No PROFINET in the prior "yes  Proficial No PROFINET in the prior "yes  Proficial No PROFINET in Device  Services  — IRT with the option "high flexibility" — Proficial et and under the prior "yes  Redundancy mode  Media redundancy — MRP  Yes		
Switching capacity of the outputs  on lamp load, max.  for lamp load, max.  of or signal "1" read value  of or signal "1" permissible range, max.  1.3 A  of or signal "0" residual current, max.  1.5 mA  Parallel switching of two outputs  of or uprating  of or redundant control of a load  Yes  Switching frequency  with resistive load, max.  on lamp load, max.  100 Hz  with inductive load, max.  on lamp load, max.  11Hz  Total current of the outputs (per group)  all mounting positions  up to 60 °C, max.  Cable length  unshielded, max.  3.9 A  Cable length  ounshielded, max.  3.9 A  Cannectable encoders  2-wire sensor  permissible quiescent current (2-wire sensor), max.  Interfaces  1 Interface  1 Interface  1 Interface types  M12 port  Autoregotation  Autore		
on lamp load, max.  Output current      if or signal "1" rated value     if or signal "1" remissible range, max.     if or uprating     No     if or reductant control of a load     Yes  Switching frequency      with resistive load, max.     if the control of a load     if the control of the coupts (max.)     interfaces     interfaces     interface types  M12 port     integrated switch     integrated sw		
• for signal "1" rated value		5 W
• for signal "1" permissible range, max. 1.5 mA  Parallel switching of two outputs     • for uprating No     • for redundant control of a load Yes  Switching frequency     • with resistive load, max. 100 Hz     • with inductive load, max. 0.5 Hz     • on lamp load, max. 1 Hz  Total current of the outputs (per group)     all mounting positions     — up to 60 "C, max. 3.9 A  Cable length     • unshielded, max. 30 m  Encoder  Connectable encoders     • 2-wire sensor Yes     — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure 100BASE-TX Number of PROFINET interfaces 1  1.Interface  Interface types     • M12 port Yes     • Interface types  M12 Port • Autocrossing Yes     • Transmission rate, max. 100 Mbit/s  Proficels  Supports protocol for PROFINET IO Yes     • PROFINET CBA No     • PROFINET CBA No     • PROFINET IO Device  Services     — IRT with the option "high flexibility" Yes     • Prioritized startup Yes  Redundancy mode  Media redundancy     — MRP     Yes	Output current	
• for signal "0" residual current, max.  Parallel switching of two outputs  • for updating • for redundant control of a load  Switching frequency • with resistive load, max. • with inductive load, max. • on lamp load, max. • on lamp load, max. • on lamp load, max.  1 Hz  Total current of the outputs (per group) all mounting positions — up to 60 "C, max.  Cable length • unshielded, max.  30 m  Encoder  Connectable encoders • 2-wire sensor — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure  1.1 interface  1.1 interface  M12 port • Autoreosting • Autoreosting • Autoreosting • Autoreosting • Yes • Interfaces  Transmission rate, max.  100 Mbit/s  Protocols  Supports protocol for PROFINET IO PROFINET io Device  Services — IRT with the option "high flexibility" — Prioritized startup Pess  Redundancy mode  Media redundancy — MRP  Yes  Pess  Redundancy mode  Media redundancy — MRP  Yes  Pess  Personices  Person	● for signal "1" rated value	1.3 A; Maximum
Parallel switching of two outputs  • for uprating • for uprating • for redundant control of a load Switching frequency • with resistive load, max. • with inductive load, max. • on lamp load, max. • on lamp load, max. • up to 60 °C, max.  - up to 60 °C, max.  - up to 60 °C, max.  - 2-billelength • unshielded, max.  1.5 mA  - permissible quiescent current (2-wire sensor), max.  - permissible quiescent current (2-wire sensor), max.  - permissible quiescent current (2-wire sensor) - permissible quiescent current (2-wire sensor) - permissible quiescent current (2-wire sensor) - max.  - permissible quiescent current (2-wire sensor) - permissibl	<ul><li>for signal "1" permissible range, max.</li></ul>	1.3 A
for uprating	<ul> <li>for signal "0" residual current, max.</li> </ul>	1.5 mA
• for redundant control of a load  Switching frequency  • with resistive load, max.  • with inductive load, max.  • on lamp load, max.  • on lamp load, max.  1 Hz  Total current of the outputs (per group)  all mounting positions  — up to 60 °C, max.  3.9 A  Cable length  • unshielded, max.  Brooder  Connectable encoders  • 2-wire sensor — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure  Number of PROFINET interfaces  1 1. Interface  Interface types  • M12 port • Autonegotiation • Autocrossing • Autocrossing • Autocrossing • Yes • Autonegotiation • Autocrossing • Yes  - PROFINET ICBA  PROFINET ICBA  No PROFINET Obevice  Services  — IRT with the option "high flexibility" Yes  Redundancy mode  Media redundancy — MRP  PMC MRP	Parallel switching of two outputs	
Switching frequency  • with resistive load, max. • with inductive load, max. • on lamp load, max. • on lamp load, max.  • on lamp load, max.  1 Hz  Total current of the outputs (per group) all mounting positions — up to 60 °C, max.  Cable length • unshelded, max. 30 m  Encoder  Connectable encoders • 2-wire sensor Yes — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure  Number of PROFINET interfaces 1 1. Interface  Interface types • M12 port Yes • integrated switch Yes  Interface typos  M12 port • Autonegotiation Yes • Autocrossing Yes • Autocrossing Yes • Transmission rate, max.  100 Mbit/s  PROFINET IGA No PROFINET IG Device Services — IRT with the option "high flexibility" Yes Redundancy mode Media redundancy — MRP No PROF		No
with resistive load, max.     with inductive load, max.     on lamp load, max.     on lamp load, max.     1 Hz  Total current of the outputs (per group)     all mounting positions     — up to 60 °C, max.     3.9 A  Cable length     • unshielded, max.     30 m  Encoder  Connectable encoders     • 2-wire sensor     — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure  Number of PROFINET interfaces  1 1. Interface  Interface types     • M12 port     • integrated switch     Yes     • Autonegotiation     • Autonesosing     • Transmission rate, max.  No M22 port     • Autonesosing     Transmission rate, max.  Protocols  Supports protocol for PROFINET IO     PROFINET CBA     No     PROFINET CBA     No     PROFINET IO Device  Services — IRT with the option "high flexibility"     Yes Redundancy mode  Media redundancy — MRP     Yes      No     PROFiled current     Yes Redundancy mode  Media redundancy     Yes     HRP     Yes      1		Yes
with inductive load, max. 1 Hz  on lamp load, max. 1 Hz  Total current of the outputs (per group)  all mounting positions  — up to 60 °C, max. 3.9 A  Cable length  • unshielded, max. 30 m  Encoder  Connectable encoders  • 2-wire sensor Yes — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure 100BASE-TX  Number of PROFINET interfaces 1  I. Interface types  • M12 port Yes — integrated switch Yes    integrated synch Yes — Autonegotiation Yes    Autocrossing Yes — Transmission rate, max. 100 Mbit/s  Protocols  Supports protocol for PROFINET IO Yes — PROFINET OB PROFINET IO Yes — PROFINET OB PROFINET IO Protocols  Supports protocol for PROFINET IO Yes — PROFINET OB PROFINET IO Yes — IRT with the option "high flexibility" Yes — Prioritized startup Yes Redundancy mode Media redundancy — MRP Yes — MRP  PYes		
● on lamp load, max. 1 Hz  Total current of the outputs (per group) all mounting positions — up to 60 °C, max. 3.9 A  Cable length ● unshielded, max. 30 m  Encoder  Connectable encoders ● 2-wire sensor — permissible quiescent current (2-wire sensor), 1.5 mA max.  Interfaces  Transmission procedure 100BASE-TX Number of PROFINET interfaces 1  1. Interface linterface yes ● Mt2 port Yes ● integrated switch Yes  Interface types  ● Autoergostiation Yes ● Autoergostiation Yes ● Autoergostiation Yes ● Transmission rate, max. 100 Mbit/s  Protocols  Supports protocol for PROFINET IO Yes PROFINET CBA No PROFINET IO Device  Services — IRT with the option "high flexibility" Yes  Redundancy mode Media redundancy — MRP  MRP  Yes		
Total current of the outputs (per group) all mounting positions — up to 60 °C, max. 3.9 A  Cable length • unshielded, max. 30 m  Encoder  Connectable encoders • 2-wire sensor Yes — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure 100BASE-TX Number of PROFINET interfaces 1  Interface types • M12 port Yes • integrated switch Yes  Interface types  M12 port • Autonegotation Yes • Autorossing Yes • Transmission rate, max. 100 Mbit/s  Protocols  Supports protocol for PROFINET IO Yes PROFINET CBA No PROFISET Device Services — IRT with the option "high flexibility" Yes Redundancy mode Media redundancy — MRP Yes	<ul> <li>with inductive load, max.</li> </ul>	
all mounting positions — up to 60 °C, max. 3.9 A  Cable length  • unshielded, max. 30 m  Encoder  Connectable encoders  • 2-wire sensor — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure Number of PROFINET interfaces 1  1. Interface linterface types • M12 port Yes • integrated switch Yes  Interface types  M12 port • Autonegotiation Yes • Autorossing Yes • Transmission rate, max. 100 Mbit/s  Protocols  Supports protocol for PROFINET IO PROFINET CBA No PROFISET OD Device Services — IRT with the option "high flexibility" Yes Redundancy mode Media redundancy — MRP Yes		1 Hz
Cable length  unshielded, max.  8.0 m  Encoder  Connectable encoders  - 2-wire sensor - permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure Number of PROFINET interfaces  1. Interface  Interface types - M12 port - integrated switch - Autonegotiation - Autorossing - Transmission rate, max 100 Mbit/s  Protocols  Supports protocol for PROFINET IO - PROFINET CBA - PROFINET IO Device Services - IRT with the option "high flexibility" - Prioritized startup  Redundancy mode Media redundancy - MRP - MRP - MRP  Yes  3.9 M  Yes  1.5 mA  1.5		
Cable length  • unshielded, max.  Intercatable encoders  • 2-wire sensor — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure Number of PROFINET interfaces  • M12 port • integrated switch  Interface types  M12 port • Autonegotiation • Autocrossing • Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET CBA PROFINET CBA PROFINET OD evice Services — IRT with the option "high flexibility" — Prioritized startup  Redundancy mode Media redundancy — MRP  Ves  1.5 mA  1.0 MBASE-TX  1.0 MBA		
unshielded, max.  Encoder  Connectable encoders  2-wire sensor Yes — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure 100BASE-TX Number of PROFINET interfaces 1  Interface linterface witch Yes  integrated switch Yes  Interface types  M12 port Yes integrated switch Yes  Interface types  M12 port  Autonegotiation Yes  Transmission rate, max. 100 Mbit/s  Protocols  Supports protocol for PROFINET IO Yes PROFINET CBA No PROFINET CBA No PROFINET ID Device Services — IRT with the option "high flexibility" Yes — Prioritized startup Yes  Redundancy mode Media redundancy — MRP  Yes  Yes  Yes  Yes  Pres  Redundancy mode  Media redundancy — MRP  Yes		3.9 A
Encoder  Connectable encoders  • 2-wire sensor — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure Number of PROFINET interfaces  • M12 port • integrated switch • Autoregotiation • Autoregotiation • Autoressing • Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET IO Device Services — IRT with the option "high flexibility" — Prioritzed startup Redundancy MRP  Pes  Pes  Pes  Pes  Pes  Pes  Pes  P		20
Connectable encoders  • 2-wire sensor — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure  Number of PROFINET interfaces  • M12 port • integrated switch  Interface types  M12 port • Autonegotiation • Autocrossing • Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET OBA PROFINET OBA PROFINET IO Device  Services — IRT with the option "high flexibility" — Prioritized startup Media redundancy — MRP Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes		30 M
• 2-wire sensor     — permissible quiescent current (2-wire sensor), max.  Interfaces  Transmission procedure Number of PROFINET interfaces 1  1. Interface Interface types     • M12 port     • integrated switch     Yes  Interface types  M12 port     • Autonegotiation     • Autocrossing     • Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET CBA PROFISER PROFINET IO Device Services — IRT with the option "high flexibility" — Prioritized startup  Redundancy mode Media redundancy — MRP Yes  1.5 mA		
		V
Interfaces  Transmission procedure  Number of PROFINET interfaces  1  Interface  Interface types  • M12 port • integrated switch  Yes  Interface types  M12 port • Autonegotiation • Autocrossing • Autocrossing • Transmission rate, max.  Profocols  Supports protocol for PROFINET IO PROFINET CBA PROFINET IO Device  Services  — IRT with the option "high flexibility" Pres  Redundancy mode Media redundancy — MRP Yes  100 MASSE-TX  100 MAS		
Transmission procedure  Number of PROFINET interfaces  1. Interface Interface types  • M12 port • integrated switch  Protection  • Autonegotiation • Autocrossing • Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET CBA PROFINET IO Device  Services  — IRT with the option "high flexibility" — Prioritized startup  Redundancy mode Media redundancy — MRP  Yes  100 MSASE-TX 101 100 MSSE-TX 100		1.5 IIIA
Number of PROFINET interfaces 1  1. Interface Interface types  • M12 port • integrated switch Yes  Interface types  M12 port • Autonegotiation Yes • Autocrossing Yes • Transmission rate, max. 100 Mbit/s  Protocols  Supports protocol for PROFINET IO Yes PROFINET CBA No PROFINET CBA No PROFINET IO Device Services — IRT with the option "high flexibility" Yes — Prioritized startup  Redundancy mode Media redundancy — MRP Yes	Interfaces	
Number of PROFINET interfaces 1  1. Interface Interface types  • M12 port • integrated switch Yes  Interface types  M12 port • Autonegotiation Yes • Autocrossing Yes • Transmission rate, max. 100 Mbit/s  Protocols  Supports protocol for PROFINET IO Yes PROFINET CBA No PROFINET CBA No PROFINET IO Device Services — IRT with the option "high flexibility" Yes — Prioritized startup  Redundancy mode Media redundancy — MRP Yes		100BASE-TX
Interface types  • M12 port • integrated switch  Yes  Interface types  M12 port  • Autonegotiation • Autocrossing • Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET CBA PROFINET CBA PROFINET IO Device Services  — IRT with the option "high flexibility" Protocols  Redundancy mode Media redundancy — MRP Yes  Yes  Yes  Yes  Yes  Yes  Yes  Yes	<u> </u>	
Interface types  • M12 port • integrated switch Yes  Interface types  M12 port  • Autonegotiation • Autocrossing • Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET CBA PROFINET CBA PROFINET IO Device Services  — IRT with the option "high flexibility" — Prioritized startup  Redundancy mode Media redundancy — MRP  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye		
M12 port     integrated switch Yes  Interface types  M12 port      Autonegotiation     Autocrossing     Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET CBA PROFISafe No PROFINET IO Device Services — IRT with the option "high flexibility" — Prioritized startup  Redundancy mode Media redundancy — MRP  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye		
integrated switch  Interface types  M12 port  Autonegotiation Autocrossing Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET CBA PROFISafe No PROFINET IO Device Services  — IRT with the option "high flexibility" Prointized startup  Redundancy mode Media redundancy — MRP  M12 port  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Prioritized startup Yes  Redundancy mode Media redundancy — MRP  Yes	• •	Yes
Interface types  M12 port  Autonegotiation Autocrossing Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET CBA No PROFISafe No PROFINET IO Device Services — IRT with the option "high flexibility" Prointized startup Yes  Redundancy mode Media redundancy — MRP Yes		
M12 port  Autonegotiation Autocrossing Transmission rate, max.  Protocols  Supports protocol for PROFINET IO PROFINET CBA No PROFISafe No PROFINET IO Device Services — IRT with the option "high flexibility" Prioritized startup Yes  Redundancy mode Media redundancy — MRP  Yes  Yes  Yes  Yes  Yes	_	
<ul> <li>Autoregotiation</li> <li>Autocrossing</li> <li>Transmission rate, max.</li> <li>100 Mbit/s</li> </ul> Protocols Supports protocol for PROFINET IO PROFINET CBA PROFISafe <ul> <li>No</li> <li>PROFINET IO Device</li> <li>Services</li> <li>— IRT with the option "high flexibility"</li> <li>— Prioritized startup</li> <li>Redundancy mode</li> <li>Media redundancy</li> <li>— MRP</li> <li>Yes</li> </ul>		
<ul> <li>Autocrossing</li> <li>◆ Transmission rate, max.</li> <li>Protocols</li> <li>Supports protocol for PROFINET IO</li> <li>PROFINET CBA</li> <li>PROFISafe</li> <li>No</li> <li>PROFINET IO Device</li> <li>Services</li> <li>— IRT with the option "high flexibility"</li> <li>— Prioritized startup</li> <li>Redundancy mode</li> <li>Media redundancy</li> <li>— MRP</li> <li>Yes</li> <li>100 Mbit/s</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		Yes
● Transmission rate, max.  Protocols  Supports protocol for PROFINET IO  PROFINET CBA  PROFIsafe  PROFINET IO Device  Services  — IRT with the option "high flexibility" — Prioritized startup  Redundancy mode  Media redundancy — MRP  100 Mbit/s  Yes  No  Yes  No  Profined No  Yes  Yes  Yes		
Supports protocol for PROFINET IO  PROFINET CBA  PROFISafe  No  PROFINET IO Device  Services  — IRT with the option "high flexibility" — Prioritized startup  Redundancy mode  Media redundancy — MRP  Yes  Yes		
Supports protocol for PROFINET IO PROFINET CBA No PROFISATE PROFINET IO Device Services — IRT with the option "high flexibility" — Prioritized startup Yes Redundancy mode Media redundancy — MRP Yes		
PROFINET CBA PROFIsafe No PROFINET IO Device Services — IRT with the option "high flexibility" — Prioritized startup Yes Redundancy mode Media redundancy — MRP Yes		Yes
PROFISATE PROFINET IO Device Services IRT with the option "high flexibility" Prioritized startup Yes Redundancy mode Media redundancy MRP Yes		
PROFINET IO Device  Services  — IRT with the option "high flexibility"  — Prioritized startup  Yes  Redundancy mode  Media redundancy  — MRP  Yes		
Services  — IRT with the option "high flexibility" Yes — Prioritized startup Yes  Redundancy mode  Media redundancy — MRP Yes		
— Prioritized startup  Redundancy mode  Media redundancy  — MRP  Yes  Yes		
— Prioritized startup  Redundancy mode  Media redundancy  — MRP  Yes  Yes	— IRT with the option "high flexibility"	Yes
Redundancy mode  Media redundancy  — MRP  Yes		Yes
— MRP Yes		
	Media redundancy	
Open IE communication	— MRP	
		Yes

T00/ID	N.
• TCP/IP	No
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
• ping	Yes
• ARP	Yes
Interrupts/diagnostics/status information	V.
Diagnostics function	Yes
Alarms	N/
Diagnostic alarm	Yes
Diagnoses	N/
Diagnostic information readable	Yes
Monitoring the supply voltage	Yes; green "ON" LED
Wire-break in actuator cable	Yes
Wire-break in signal transmitter cable	Yes
Short-circuit	Yes
Short-circuit encoder supply	Yes
Group error	Yes; Red/yellow "SF/MT" LED
Potential separation	
between the load voltages	Yes
between load voltage and all other switching components	No
between Ethernet and electronics	Yes
Potential separation channels	
between the channels	No
Isolation	
tested with	
• 24 V DC circuits	707 V DC (type test)
Test voltage for interface, rms value [Vrms]	1 500 V; According to IEEE 802.3
Degree and class of protection	
IP degree of protection	IP65/67
Standards, approvals, certificates	
Suitable for safety-related tripping of standard modules	No
connection method / header	
Design of electrical connection	4/5-pin M12 circular connectors
Dimensions	
Width	60 mm
Height	175 mm
Depth	49 mm
Weights	
Weight, approx.	910 g
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