SIEMENS

Data sheet

6ES7526-2BF00-0AB0



SIMATIC S7-1500, F digital output module, F-DQ 8x 24 V DC 2A PPM PROFIsafe; 35 mm width; up to PL E (ISO 13849-1)/ SIL3 (IEC 61508)

General information	
Product type designation	F-DQ 8x24VDC/2A PPM
Firmware version	
FW update possible	Yes
Product function	
I&M data	Yes; I&M0 to I&M3
Engineering with	
 STEP 7 TIA Portal configurable/integrated from version 	V13 SP1 with HSP 0086
Operating mode	
• DQ	Yes
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Input current	
Current consumption (rated value)	110 mA; without load
Current consumption, max.	130 mA; without load
Output voltage	
Rated value (DC)	24 V
Power	
Power available from the backplane bus	0.8 W
Power loss	
Power loss, typ.	11 W
Address area	
Address space per module	
Inputs	6 byte; S7-300/400F CPU, 5 byte
Outputs	6 byte; S7-300/400F CPU, 5 byte
Hardware configuration	
Automatic encoding	Yes
 Electronic coding element type F 	Yes
Digital outputs	
Number of digital outputs	8
Current-sinking	Yes
Current-sourcing	Yes
Short-circuit protection	Yes

Open circuit detection Yes • Response threshold, typ. 8 mA Overload protection Yes • Response threshold, typ. 29 A Unitation of inductive shutdown voltage to PM-switching: -24 V + (-47 V), PP-switching: -24 V Switching capacity of the outputs 2 A • on tamp bad, max. 10 W Load resistance range • lower limit 2 D.1 • lower limit 2 O.2 • for signal "1" reted value 2 A • ord signal "0" residual current, max. O.5 mA: Current sourcing, or current sourcing and sinking switches • with resistive load, max. 0.1 Hz • with moluche load max. 0.1 Hz		
Overload protection Yes • Response threshold, typ. 2.9 A Limitation of inductive shutdown voltage to PM-switching: -24 V + (47 V), PP-switching: -24 V Switching capacity of the outputs • • with resistive load, max. 10 W Load resistance range • • lower limit 12 Q • upper limit 200 Q Output voltage • • for signal "1" rated value 2 A • for signal "1" rated value 2 A • for signal "1" residual current, max. 0.5 m/x. Current-sourcing, or current sourcing and sinking switches individually, current sinking: max. 1 mA Switching frequency 30 Hz • with individue load, max. 0.1 Hz • on lamp load, max. 10 Hz Total current of the outputs • • Current per channel, max. 2 A Total current of the outputs (per module) • horizontal installation • - up to 40 °C, max. 8 A • po to 40 °C, max. 8 A • bielded, max. 1000 m • unarriad fread the stall stallation	Open-circuit detection	Yes
• Response threshold, typ. 2.9 A Limitation of inductive shutdown voltage to PM-switching24 V + (47 V), PP-switching24 V • with resistive load, max. 2 A • on lamp load, max. 10 W Load resistance range	 Response threshold, typ. 	8 mA
Limitation of inductive shutdown voltage to PM-switching: -24 V + (-47 V), PP-switching: -24 V Switching capacity of the outputs 2 A • with resistive load, max. 10 W Load resistance range 10 W • lower limit 2 D0 D • output voltage 2 A • for signal "1" rated value 2 A • for signal "0" residual current, max. 30 Hz • with resistive load, max. 30 Hz • with resistive load, max. 0.1 Hz • on lamp load, max. 10 Hz Total current of the outputs - • Current per channel, max. 2 A • Dot 20 °C, max. 8 A • put to 40 °C, max. 8 A • put to 40 °C, max. 8 A • shielded, max. 1000 m • up to 40 °C, max. 8 A • Diagnostic sfunction Yes Diagnostic struet No	Overload protection	Yes
Switching capacity of the outputs 2 A • with resistive load, max. 2 A • lower limit 12 Ω • lower limit 2 000 Ω Output voltage • • for signal *1* min. 24 V; L+ (-0.5 V) Output current 2 A • for signal *1* rated value 2 A • on lamp frequency • • with resistive load, max. 0.1 Hz • on lamp load, max. 10 Hz Total current of the outputs (per module) horizontal installation - up to 60 *C, max. - up to 60 *C, max. 8 A vertical installation - up to 60 *C, max. - up to 60 *C, max. 8 A Vertical installation - up to 60 *C, max. • shielded, max. 1000 m • usbielded, max. 500 m Interrupts/dilagnostics/status infor	 Response threshold, typ. 	2.9 A
 with resistive load, max. 0 W Coder esistance range iower limit 12 Ω upper limit 2000 Ω Cutput voltage for signal "1" rated value 2 A of signal "1" rated value a for signal "1" rated value b for signal "1" rated value c Current second max. c for signal "1" rated value c Current per channel, max. c for signal the outputs (per module) horizontal installation — up to 40 "C, max. b for for max. c for max. for for max. for for max. for for max. for max.	Limitation of inductive shutdown voltage to	PM-switching: -24 V + (-47 V), PP-switching: -24 V
• on lamp load, max. 10 W Load resistance range	Switching capacity of the outputs	
Load resistance range • lower limit 12 Ω • upper limit 200 Ω Output voltage • • for signal "1" rated value 2 A V; L+ (-0.5 V) Output current 2 A • for signal "1" rated value 2 A • for signal "1" residual current, max. 0.5 mA; Current-sourcing, or current sourcing and sinking switches individually current sinking: max. 1 mA Switching frequency • • with inductive load, max. 0.1 Hz • on iamp load, max. 10 Hz Total current of the outputs • • Current per channel, max. 2 A Total current of the outputs (per module) • borizontal installation • - up to 60 °C, max. 8 A Cable length • • shielded, max. 1000 m • unshielded, max. 500 m Interrupts/clagnostics/status information • Diagnostic situation Yes • Diagnostic situation Yes • unshielded, max. 1000 m • stilleded, max. 1000 m • stilleded, max. 1000 m •	 with resistive load, max. 	2 A
• lower limit 12 Ω • upper limit 2000 Ω Output voltage • • for signal "1" rate value 2 A • for signal "0" residual current, max. 0.5 mA; Current-sourcing, or current sourcing and sinking switches individually, current sinking; max. 1 mA Switching frequency • • with resistive load, max. 30 Hz • on lamp load, max. 10 Hz • on lamp load, max. 10 Hz Total current of the outputs • • on lamp load, max. 10 Hz Total current of the outputs (per module) • borizontal installation - - up to 40 °C, max. 8 A • colid installation - - up to 60 °C, max. 8 A • bielded, max. 500 m Interrupt of alignostics/status information • Interrupt of alignostics/status information • Diagnostic alarm Yes Substitute values connectable No Alarms • • Diagnostic alarm Yes • Group error Yes <tr< td=""><td> on lamp load, max. </td><td>10 W</td></tr<>	 on lamp load, max. 	10 W
• upper limit 2 000 Ω Output voltage	Load resistance range	
Output voltage 24 V; L + (-0.5 V) Output current 2 A • for signal "1", min. 2.5 m.X; Current-sourcing, or current sourcing and sinking switches individually, current sinking: max. 1 m.A Switching frequency 0.5 m.X; Current-sourcing, or current sourcing and sinking switches individually, current sinking: max. 1 m.A Switching frequency 0.1 Hz • with inductive load, max. 0.1 Hz • on lamp load, max. 10 Hz Total current of the outputs 2.A Total current of the outputs (per module) 0 horizontal installation 2.A — up to 60 °C, max. 8.A Cable length 1000 m - up to 60 °C, max. 8.A Cable length 1000 m • unshielded, max. 1000 m • unshielded, max. 1000 m • Substitute values connectable No Alarms Yes Substitute values connectable Yes Olignostic alarm Yes Olignostic alarm Yes Olignostic alarm Yes Substitute values connectable Yes <td>lower limit</td> <td>12 Ω</td>	lower limit	12 Ω
• for signal "1", min. 24 V; L+ (-0.5 V) Output current 2 A • for signal "0" residual current, max. 0.5 mA; Current-sourcing, or current sourcing and sinking switches individually, current sinking: max. 1 mA Switching frequency	upper limit	2 000 Ω
Output current 2 A • for signal "1" rated value 2 A • for signal "0" residual current, max. 0.5 m/x; Current-sourcing, or current sourcing and sinking switches individually, current sinking: max. 1 mA Switching frequency 30 Hz • with resistive load, max. 0.1 Hz • on lamp load, max. 0.1 Hz • on lamp load, max. 10 Hz Total current of the outputs - • Current per channel, max. 2 A Total current of the outputs (per module) - horizontal installation - - up to 60 °C, max. 8 A vertical installation - - up to 60 °C, max. 8 A vertical installation - - up to 60 °C, max. 8 A Cable length - • shielded, max. 1000 m • unshielded, max. 500 m Interrupts//diagnostics/status information Yes Diagnostic sum Yes Diagnostic alarm Yes Diagnostic alarm Yes Olagnostic alarm Yes; green LED <td>Output voltage</td> <td></td>	Output voltage	
• for signal "1" rated value 2 A • for signal "0" residual current, max. 0.5 mA; Current-sourcing, or current sourcing and sinking switches individually, current sinking: max. 1 mA Switching frequency 30 Hz • with resistive load, max. 30 Hz • on lamp load, max. 10 Hz • on lamp load, max. 10 Hz • current of the outputs 2 A • Current of the outputs (per module) - horizontal installation - - up to 40 °C, max. 8 A vertical installation - - up to 40 °C, max. 8 A vertical installation - - up to 40 °C, max. 8 A vertical installation - - up to 40 °C, max. 8 A Cable length - outple/dignostics/status information Diagnostics/status information Diagnostic alarm Yes Diagnostic alarm Yes Diagnostic alarm Yes Diagnostic alarm Yes Diagnostic indication LED Yes Vire-break Yes Shont-circuit Yes; green LED	• for signal "1", min.	24 V; L+ (-0.5 V)
• for signal "0" residual current, max. 0.5 mA; Current-sourcing, or current sourcing and sinking switches individually, current sinking; max. 1 mA Switching frequency 30 Hz • with resistive load, max. 0.1 Hz • on lamp load, max. 10 Hz Total current of the outputs 2 A • Current per channel, max. 2 A Total current of the outputs (per module) - - up to 40 °C, max. 16 A - up to 40 °C, max. 8 A vertical installation - - up to 40 °C, max. 8 A vertical installation - - up to 40 °C, max. 8 A Vertical installation - - up to 40 °C, max. 8 A Interrupts/diagnostics/status information - Interrupts/diagnostics/status information - Diagnostic function Yes Substitute values connectable No Alarms - • Diagnostic alarm Yes Diagnostic individion LED Yes • RIN LED Yes; green LED • RROR LED Yes; red LED • Channel status display Yes; red LED • Channel status display Yes; red LED	Output current	
individually, current sinking: max. 1 mA Switching frequency with resistive load, max. 30 Hz with inductive load, max. 0.1 Hz on lamp load, max. 0.1 Hz Total current of the outputs Current of the outputs (per module) horizontal installation - up to 40 °C, max. 16 A - up to 60 °C, max. 8A Vertical installation - up to 60 °C, max. 8A Vertical installation - up to 40 °C, max. 8A Vertical installation - up to 40 °C, max. 8A Vertical installation - up to 40 °C, max. 8A Vertical installation - up to 40 °C, max. 8A Vertical installation - up to 40 °C, max. 8A Vertical installation - up to 40 °C, max. 8A Vertical installation - up to 40 °C, max. 9C Oto max. 9C Vertical installation - up to 40 °C, max. 9C Vertical installation - up to 40 °C, max. 9C Vertical installation - up to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - UP to 40 °C, max. 9C Vertical installation - Vertical install	 for signal "1" rated value 	2 A
• with resistive load, max. 30 Hz • with inductive load, max. 0.1 Hz • on lamp load, max. 10 Hz Total current of the outputs • • Current per channel, max. 2 A Total current of the outputs (per module) • horizontal installation - - up to 40 °C, max. 8 A vertical installation - - up to 60 °C, max. 8 A Cable length • • shielded, max. 1000 m • unshielded, max. 500 m • unshielded, max. 500 m • bielded, max. 500 m • formuts/lister/status information Vers Diagnostic sfunction Yes Substitute values connectable No Alarms Vers • Diagnoses Vers • Wire-break Yes • Short-circuit Yes • Short-circuit Yes: green LED • RIN LED Yes: green LED • ERROR LED Yes; red LED • Monitoring the supply voltage (PWR-LED) Yes; red LED • Kontoring of the supply voltage (PWR-LED) Yes;	 for signal "0" residual current, max. 	0.5 mA; Current-sourcing, or current sourcing and sinking switches individually, current sinking: max. 1 mA
• with inductive load, max. 0.1 Hz • on lamp load, max. 10 Hz Total current of the outputs 2 • Current per channel, max. 2 A Total current of the outputs (per module) - horizontal installation - - up to 40 °C, max. 8 A • wertical installation - - up to 40 °C, max. 8 A vertical installation - - up to 40 °C, max. 8 A Cable length 1000 m • shielded, max. 500 m Interrupts/diagnostics/status information Yes Substitute values connectable No Alarms - • Diagnostics function Yes Substitute values connectable Yes • Monitoring the supply voltage Yes • Diagnostics function Yes • Diagnostic alarm Yes • Short-circuit Yes • Group error Yes • Diagnostic indication LED Yes; green LED • ERROR LED Yes; green LED • Monitoring of the supply voltage (PWR-LED) Yes; green LED <td>Switching frequency</td> <td></td>	Switching frequency	
• on lamp load, max. 10 Hz Total current of the outputs 2 A • Current per channel, max. 2 A Total current of the outputs (per module) - horizontal installation - - up to 40 °C, max. 8 A vertical installation - - up to 40 °C, max. 8 A vertical installation - - up to 40 °C, max. 8 A Cable length - • shielded, max. 500 m • unshielded, max. 500 m • unshielded, max. 500 m • unshielded, max. 500 m • lagnostics/status information Ves Substitute values connectable No Alarms - • Diagnostic alarm Yes Diagnostics indication LED Yes • Group error Yes Diagnostic indication LED Yes; green LED • RUN LED Yes; green LED • RUN LED Yes; green LED • Konticting of the supply voltage (PWR-LED) Yes; green LED • Channel status display Yes; green LED • for	 with resistive load, max. 	30 Hz
Total current of the outputs • Current per channel, max. 2 A Total current of the outputs (per module) horizontal installation	 with inductive load, max. 	0.1 Hz
• Current per channel, max. 2 A Total current of the outputs (per module)	 on lamp load, max. 	10 Hz
Total current of the outputs (per module) horizontal installation	Total current of the outputs	
horizontal installation up to 40 °C, max. 16 A up to 60 °C, max. 8 A vertical installation up to 40 °C, max. up to 40 °C, max. 8 A Cable length up to 40 °C, max. • shielded, max. 1000 m • unshielded, max. 500 m Interrupts/diagnostics/status information Yes Substitute values connectable No Alarms	Current per channel, max.	2 A
up to 40 °C, max. 16 A up to 60 °C, max. 8 A vertical installation	Total current of the outputs (per module)	
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vertical installation 8 A —up to 40 °C, max. 8 A Cable length 1 000 m • shielded, max. 500 m Interrupts/diagnostics/status information 500 m Diagnostics function Yes Substitute values connectable No Alarms - • Diagnostic alarm Yes Diagnoses - • Monitoring the supply voltage Yes • Short-circuit Yes • Short-circuit Yes • Group error Yes Diagnostics indication LED Yes; green LED • ERROR LED Yes; red LED • Monitoring of the supply voltage (PWR-LED) Yes; green LED • Channel status display Yes; green LED • for channel diagnostics Yes; red LED • for module diagnostics Yes; red LED	— up to 40 °C, max.	16 A
up to 40 °C, max.8 ACable length• shielded, max.1 000 m• unshielded, max.500 mInterrupts/diagnostics/status informationDiagnostics functionYesSubstitute values connectableNoAlarms• Diagnostic alarmYesDiagnoses• Monitoring the supply voltageYes• Wire-breakYes• Short-circuitYes• Group errorYesDiagnostics indication LEDYes; green LED• ERROR LEDYes; green LED• Monitoring of the supply voltage (PWR-LED)Yes; green LED• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED• for module diagnosticsYes; red LED• for module diagnosticsYes; red LED	— up to 60 °C, max.	8 A
Cable length • shielded, max. 1 000 m • unshielded, max. 500 m Interrupts/diagnostics/status information Diagnostics function Yes Substitute values connectable No Alarms • Diagnostic alarm Yes Diagnoses • Monitoring the supply voltage Yes • Wire-break Yes • Group error Yes Diagnostics indication LED Yes; green LED • ERROR LED Yes; red LED • Monitoring of the supply voltage (PWR-LED) Yes • Channel status display Yes; green LED • for channel diagnostics Yes; red LED • for module diagnostics Yes; red LED	vertical installation	
• shielded, max.1 000 m• unshielded, max.500 mInterrupts/diagnostics/status informationYesDiagnostics functionYesSubstitute values connectableNoAlarmsYes• Diagnostic alarmYesDiagnosesYes• Monitoring the supply voltageYes• Short-circuitYes• Short-circuitYes• Diagnostic indication LEDYes; green LED• RUN LEDYes; green LED• RUN LEDYes; green LED• Channel status displayYes; green LED• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED	— up to 40 °C, max.	8 A
• unshielded, max.500 mInterrupts/diagnostics/status informationDiagnostics functionYesSubstitute values connectableNoAlarms• Diagnostic alarmYesDiagnoses• Wire-breakYes• Short-circuitYes• Group errorYesDiagnostics indication LEDYes; green LED• RUN LEDYes; red LED• Monitoring of the supply voltage (PWR-LED)Yes; green LED• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED	Cable length	
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Diagnostics function Yes Substitute values connectable No Alarms Diagnostic alarm Yes Diagnoses Monitoring the supply voltage Yes Short-circuit Yes Group error Yes Vire-break Short-circuit Yes Group error Yes Vire break Short-circuit Yes Group error Yes Ves Biagnostics indication LED RUN LED Yes; green LED Yes; red LED Onitoring of the supply voltage (PWR-LED) Yes Channel status display Yes; green LED for channel diagnostics Yes; red LED for module diagnostics Yes; red LED for module diagnostics Yes; red LED for module diagnostics Yes; red LED 	 unshielded, max. 	500 m
Substitute values connectable No Alarms Yes Diagnostic alarm Yes Diagnoses Yes Monitoring the supply voltage Yes Wire-break Yes Short-circuit Yes Group error Yes Diagnostics indication LED Yes; green LED RUN LED Yes; red LED Nonitoring of the supply voltage (PWR-LED) Yes; green LED Channel status display Yes; green LED of or channel diagnostics Yes; red LED of or module diagnostics Yes; red LED Yes; red LED Yes; green LED	Interrupts/diagnostics/status information	
Substitute values connectable No Alarms • Diagnostic alarm Yes • Diagnoses • • Monitoring the supply voltage Yes • Wire-break Yes • Short-circuit Yes • Group error Yes Diagnostics indication LED Yes; green LED • RUN LED Yes; red LED • Monitoring of the supply voltage (PWR-LED) Yes; green LED • Channel status display Yes; green LED • for channel diagnostics Yes; red LED • for module diagnostics Yes; red LED	Diagnostics function	Yes
• Diagnostic alarmYesDiagnoses• Monitoring the supply voltageYes• Wire-breakYes• Short-circuitYes• Group errorYesDiagnostics indication LED• RUN LEDYes; green LED• ERROR LEDYes; red LED• Monitoring of the supply voltage (PWR-LED)Yes• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED• for module diagnosticsYes; red LED		No
Diagnoses• Monitoring the supply voltageYes• Wire-breakYes• Short-circuitYes• Group errorYesDiagnostics indication LEDYes; green LED• RUN LEDYes; red LED• ERROR LEDYes; red LED• Monitoring of the supply voltage (PWR-LED)Yes• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED• for module diagnosticsYes; red LED	Alarms	
Diagnoses • Monitoring the supply voltage Yes • Wire-break Yes • Short-circuit Yes • Group error Yes Diagnostics indication LED Yes; green LED • RUN LED Yes; red LED • ERROR LED Yes; red LED • Monitoring of the supply voltage (PWR-LED) Yes; green LED • Channel status display Yes; green LED • for channel diagnostics Yes; red LED • for module diagnostics Yes; red LED	Diagnostic alarm	Yes
 Monitoring the supply voltage Wire-break Short-circuit Group error Group error Yes Diagnostics indication LED RUN LED FROR LED Yes; green LED Monitoring of the supply voltage (PWR-LED) Yes; green LED Channel status display Yes; green LED Yes; red LED 	-	
• Wire-breakYes• Short-circuitYes• Group errorYesDiagnostics indication LEDYes; green LED• RUN LEDYes; green LED• ERROR LEDYes; red LED• Monitoring of the supply voltage (PWR-LED)Yes• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED	0	Yes
• Short-circuitYes• Group errorYesDiagnostics indication LEDYes; green LED• RUN LEDYes; green LED• ERROR LEDYes; red LED• Monitoring of the supply voltage (PWR-LED)Yes• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED		
• Group errorYesDiagnostics indication LED• RUN LEDYes; green LED• ERROR LEDYes; red LED• Monitoring of the supply voltage (PWR-LED)Yes• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED		
Diagnostics indication LED Yes; green LED • RUN LED Yes; red LED • ERROR LED Yes; red LED • Monitoring of the supply voltage (PWR-LED) Yes • Channel status display Yes; green LED • for channel diagnostics Yes; red LED • for module diagnostics Yes; red LED		
• RUN LEDYes; green LED• ERROR LEDYes; red LED• Monitoring of the supply voltage (PWR-LED)Yes• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED		
• ERROR LEDYes; red LED• Monitoring of the supply voltage (PWR-LED)Yes• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED		Yes; green LED
 Monitoring of the supply voltage (PWR-LED) Channel status display for channel diagnostics for module diagnostics Yes; red LED Yes; red LED 		-
• Channel status displayYes; green LED• for channel diagnosticsYes; red LED• for module diagnosticsYes; red LED		
 for channel diagnostics for module diagnostics Yes; red LED Yes; red LED 		
for module diagnostics Yes; red LED		-
	-	
	-	
Potential separation channels		
between the channels No	· · · ·	No
between the channels and backplane bus Yes		
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Isolation		
Isolation tested with 707 V DC (type test)		
Standards, approvals, certificates		
Suitable for safety functions Yes Highest safety class achievable in safety mode		Yes

 Performance level according to ISO 13849-1 	PLe	
 SIL acc. to IEC 61508 	SIL 3	
Probability of failure (for service life of 20 years and repair time of 100 hours)		
 Low demand mode: PFDavg in accordance with SIL3 	< 6.00E-05	
 — High demand/continuous mode: PFH in accordance with SIL3 	< 2.00E-09 1/h	
Ambient conditions		
Ambient temperature during operation		
 horizontal installation, min. 	0°C	
 horizontal installation, max. 	60 °C	
 vertical installation, min. 	0°C	
 vertical installation, max. 	40 °C	
Dimensions		
Width	35 mm	
Height	147 mm	
Depth	129 mm	
Weights		
Weight, approx.	300 g	
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