SIEMENS

Data sheet 7MH5001-0AD01

SIWAREX DB, four-channel digital junction box for additional diagnostic options for analog load cells / strain gauges (full bridges) for SIWAREX WP weighing module, 1xRS485, 4xLC load cell interface (1-4mV/V), stainless steel housing, protection class: IP66, Ex approval (ATEX and IECEX): II 3 G Ex ec IIC T4 Gc and II 3 D Ex tc IIIC T120°C DC



General information	
Product type designation	SIWAREX DB
Supply voltage	
Type of supply voltage	24 V DC
Digital inputs	
Number of digital inputs	0
Degree and class of protection	
IP degree of protection	IP66, Nema 4X for devices without explosion protection; IP65 for devices with explosion protection
Standards, approvals, certificates	
CE mark	Yes
UKCA mark	Yes
UL approval	Yes
RoHS conformity	Yes
China RoHS compliance	Yes
Use in hazardous areas	
● ATEX marking	II 3 G Ex ec IIC T4 Gc and II 3 D Ex tc IIIC T120 °C Dc
● ATEX certificate	DEKRA 21 ATEX 0025X
Ambient conditions	
Ambient temperature during operation	
● min.	-40 °C
● max.	85 °C
Ambient temperature during storage/transportation	
● min.	-50 °C
● max.	100 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	2 000 m
Connection method	
Connection I/O signals	
● Connection method	Screw terminals
Conductor cross-section in mm²	
— Connectable cable cross-sections for flexible cables with end sleeve, min.	0.25 mm²
— Connectable cable cross-sections for flexible cables with end sleeve, max.	1.5 mm²
Conductor cross-section acc. to AWG	
— Connectable cable cross-sections for flexible cables with end sleeve, min.	24
— Connectable cable cross-sections for flexible cables with end sleeve, max.	16

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Mechanics/material	
Design of housing	Stainless steel
Dimensions	
Width	204 mm
Height	110 mm
Depth	73 mm
Weights	
Weight, approx.	1.34 kg
Scope of supply	
Delivery quantity in pieces	1
Other	
Usable in the following products	
● Product 1	SIWAREX WP2x1
● Product 2	SIWAREX WP3x1

Classifications

	Version	Classification
eClass	16	27-14-44-03
eClass	14	27-14-44-03
ETIM	10	EC002713
ETIM	9	EC002713

Approvals / Certificates

General Product Approval

For use in hazardous locations

Miscellaneous

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