

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
Use in hazardous areas	
• ATEX marking • ATEX certificate	II 3 G Ex ec IIC T4 Gc and II 3 D Ex tc IIIC T120 °C Dc DEKRA 21 ATEX 0025X
Ambient conditions	
Ambient temperature during operation	
• min. • max.	-40 °C 85 °C
Ambient temperature during storage/transportation	
• min. • max.	-50 °C 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
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	
 EG-Konf.    UL   IECEX				
For use in hazardous locations				
		Miscellaneous		
last modified: 7/1/2026 				