



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), aluminum die-cast housing, protection class: IP66

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	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • min. • max. 	-20 °C 80 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	-50 °C 100 °C
Altitude during operation relating to sea level	
<ul style="list-style-type: none"> • Installation altitude above sea level, max. 	2 000 m
connection method	
Connection I/O signals	
<ul style="list-style-type: none"> • Connection method 	Screw terminals
Conductor cross-section in mm ²	
— Connectable cable cross-sections for flexible cables with end sleeve, min.	0.25 mm ²
— Connectable cable cross-sections for flexible cables with end sleeve, max.	1.5 mm ²
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	Die-cast aluminum

Dimensions	
Width	160 mm
Height	100 mm
Depth	81 mm
Weights	
Weight, approx.	0.95 kg
Scope of supply	
Delivery quantity in pieces	1
Other	
Usable in the following products	
<ul style="list-style-type: none"> Product 1 Product 2 	SIWAREX WP2x1 SIWAREX WP3x1
Classifications	

	Version	Classification
eClass	14	27-32-03-01
eClass	12	27-32-03-01
eClass	9.1	27-32-03-01
eClass	9	27-32-03-01
eClass	8	27-32-03-01
eClass	7.1	27-32-03-01
eClass	6	27-32-03-01
ETIM	10	EC003997
ETIM	9	EC003997
ETIM	8	EC003997

Approvals / Certificates

General Product Approval



last modified:

3/11/2025