

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	
<ul style="list-style-type: none"> <li>• ATEX marking</li> <li>• ATEX certificate</li> </ul>	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"> <li>• min.</li> <li>• max.</li> </ul>	-40 °C 85 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	-50 °C 100 °C
Altitude during operation relating to sea level	
<ul style="list-style-type: none"> <li>• Installation altitude above sea level, max.</li> </ul>	2 000 m
Connection method	
Connection I/O signals	
<ul style="list-style-type: none"> <li>• Connection method</li> </ul>	Screw terminals
Conductor cross-section in mm <sup>2</sup>	
— Connectable cable cross-sections for flexible cables with end sleeve, min.	0.25 mm <sup>2</sup>
— Connectable cable cross-sections for flexible cables with end sleeve, max.	1.5 mm <sup>2</sup>
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
<b>Dimensions</b>	
Width	204 mm
Height	110 mm
Depth	73 mm
<b>Weights</b>	
Weight, approx.	1.34 kg
<b>Scope of supply</b>	
Delivery quantity in pieces	1
<b>Other</b>	
Usable in the following products	
<ul style="list-style-type: none"> <li>Product 1</li> <li>Product 2</li> </ul>	SIWAREX WP2x1 SIWAREX WP3x1
<b>Classifications</b>	

	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

<b>Approvals / Certificates</b>	
General Product Approval	For use in hazardous locations



For use in hazardous locations

[Miscellaneous](#)

last modified: 3/11/2025