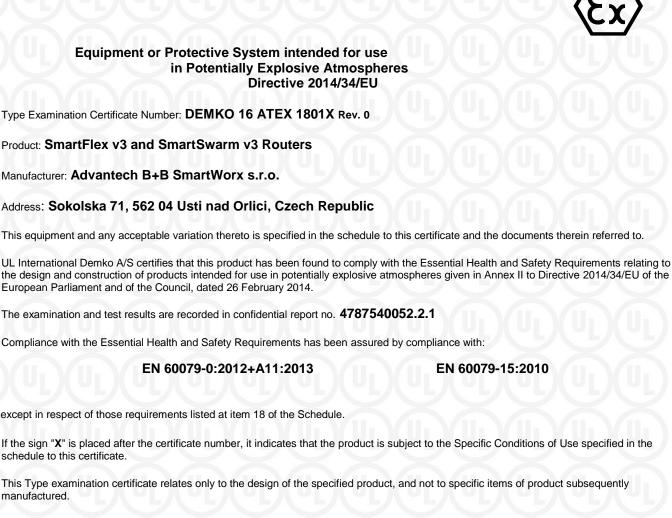
TYPE EXAMINATION CERTIFICATE



[12] The marking of the product shall include the following:



Certification Manager Jan-Erik Storgaard This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2017-03-28

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark Tel. +45 44 85 65 65, info.dk@ul.com, www.ul.com

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Schedule TYPE EXAMINATION CERTIFICATE No. DEMKO 16 ATEX 1801X Rev. 0

[15] Description of Product:

These devices are open type remote communication devices that may be configured as cellular routers or LTE industrial routers. They can interface with other equipment over various wired or wireless networks.

The optical radiation output of the apparatus with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 1 to the scope of EN 60079-28:2015.

SmartFlex v3 Routers Model Number Nomenclature:

	CODE	DESCRIPTION	PWB Assembly Number (if applicable)
SR	7,1	SmartFlex LTE Router Family –2xETH, USB, 2xBI/BO, SD Card Holder, 2xSIM, 2 DI/DO	B-RB3-3 (B-RB3-WiFi-3)
1 >	3	V3 Platform	N/A
II.	00	Wired Version of SmartFlex v3	N/A
Ŋ	03	Penta Band LTE: 800/900/1800/2100/2600 MHz; FDD-Band (20,8,3,7,1); Tri Band UMTS (WCDMA): 900/1800/2100 MHz; FDD-Band (8,3,1); Dual Band GSM/GPRS/EDGE: 900/1800 MHz	B-MO3-PLS8-E-5
Ų	05	Penta Band LTE: 700/700/850/AWS (1700/2100)/1900 MHz; FDD-Band (13,17,5,4,2)Tri Band UMTS (WCDMA): 850/AWS(1700/2100)/1900 MHz; FDD-Band (5,4,2); Quad Band GSM/GPRS/EDGE: 850/900/1800/1900 MHz	B-MO3-PLS8-X-5
111	0	No WiFi	B-RB3-3
	1	With WiFi (TI 2.4 & 5 GHz)	B-RB3-WiFi-3
IV	0	No PoE	N/A
	9	PoE PD	B-PW3-PD-2
V	0	No optional interfaces	N/A
	1	3x ETH Switch, 5 ETH connections	B-XC3-SW-1
<u> </u>	3	RS232 (5-pin TB), RS485/422 (4-pin TB), 2 serial ports	B-XC3-485-232-2
	5	SmartMesh IP Card	B-XC3-DUST-2
VI	1	Plastic enclosure	N/A
1	2	Metal enclosure	N/A
VII	0	No Accessories	N/A
VIII	SWH	SmartWorx HUB	N/A
	FIPS	FIPS 140-2 Certified	N/A

SmartSwarm v3 Routers Model Number Nomenclature:

	CODE	DESCRIPTION	PWB Assembly Number (if applicable)
SG	ΨLX	SmartSwarm Family - V3 Platform Hardware, 2x ETH, 1x USB, 2x BI, 1x BO, 1x MicroSD reader, 2x SIM reader	B-RB3-3 (B-RB3-WiFi-3)
1	3	V3 Platform	N/A
1	00	Wired Version of SmartSwarm v3 Wired version of SmartSwarm-351 (i.e. No Cellular Module)	N/A
八	03	Penta Band LTE: 800/900/1800/2100/2600 MHz; FDD-Band (20,8,3,7,1); Tri Band UMTS (WCDMA): 900/1800/2100 MHz; FDD-Band (8,3,1); Dual Band GSM/GPRS/EDGE: 900/1800 MHz	B-MO3-PLS8-E-5 Used the: (B-MO3-PXS8-5)PWB
八	05	Penta Band LTE: 700/700/850/AWS (1700/2100)/1900 MHz; FDD-Band (13,17,5,4,2)Tri Band UMTS (WCDMA): 850/AWS(1700/2100)/1900 MHz; FDD-Band (5,4,2); Quad Band GSM/GPRS/EDGE: 850/900/1800/1900 MHz	B-MO3-PLS8-X-5 Used the: (B-MO3-PXS8-5)PWB
111	0	No WiFi	B-RB3-3
	1	With WiFi (TI 2.4 & 5 GHz)	B-RB3-WiFi-3
IV	0	No PoE	N/A
	9	PoE PD	B-PW3-PD-2
V	0	No optional interfaces	N/A
	1	3x ETH Switch	B-XC3-SW-1
	3	RS232 (5-pin TB), RS485/422 (4-pin TB), 2 serial ports	B-XC3-485-232-2
	5	SmartMesh IP Card	B-XC3-DUST-2
VI	1	Plastic enclosure	N/A
	2	Metal enclosure	N/A
VII	0	No Accessories	N/A
	5	International Power Supply (EU, US, UK, AUS)	N/A
VIII	-51	SmartSwarm 351 IoT Gateway Appliance Components, for Modbus to MQTT (includes SWH Client component)	N/A
	-41	SmartSwarm 341 IoT Gateway Application Components, for Node JS, Node RED, Gen 1 Wizzard (includes SWH client component)	N/A
	-42	SmartSwarm 342 IoT Gateway Application Components, for Node JS, Node RED, Endora Wireless nodes (includes SWH client component)	N/A

Schedule **TYPE EXAMINATION CERTIFICATE No.** DEMKO 16 ATEX 1801X Rev. 0

Temperature range:

The ambient temperature range is -40 °C to +75 °C.

Electrical data

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SR 3 xx x x x x x x x	xxx (all models)	Router	10 - 60 Vdc, 1.1 A(max), LPS or Class 2.	
and		\times \times \times	or PoE, 44-57 Vdc, 1.5A maximum.	
SG 3 xx x x x x x x x	xxx (all models)	11. Yu. Yu. Y	<u> Vii, Vii, Vii, Vii, Vii, V</u>	
Routine tests:				
N/A				
	monto			
Descriptive Docu The scheduled di		ne report no. provided under iter	n no. [8] on page 1 of this Type Examination Certificate.	
Special Conditio	ns of Use:			
			closure with a minimum ingress protection rating of at least IF	
Zone 2 env	ironments. The enclo	sure must be accessible only by		
	hall be made to preve on applies in Zone 2 e		exceeded by transient disturbances of more than 140% of the	rate
	1. 1.			
Essential Health	and Safety Requirem	ents	<u> 지역도 전역도 전역도 전역도 전역도 전</u> 역도 전	
		irements (EHSRs) covered by th	ne standards listed at item 9.	
Additional information	ation			
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