

# Certificate



Intertek

for European Product Safety

Reference No. 1617363

## Connector for industrial purposes

*Type designation* 216EC\*\*, 316EC\*\*, 416EC\*\*, 232EC\*\*, 332EC\*\*, 432EC\*\*

*Certificate holder* **ABB AB Cewe  
Arnöleden 2  
611 31 Nyköping  
SWEDEN**

*The product complies with the standard(s)* EN 60309-1:1999 + A1 + A2  
EN 60309-2:1999 + A1 + A2

*Date of expiry* 24 November 2021

*EU Directive information* According to the principle of presumption of conformity, this certificate constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU.

Additional information in Appendix.

*Certification Body* Intertek Semko AB, Product Certification *Place* Kista - Stockholm

*Signed*   
Paul Klemets *Date* 24 November 2016  
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This certificate is issued in accordance with the terms and conditions set out in the Appendix.

**Intertek**  
**Appendix***Reference No. 1617363**Technical data*

*Type designation* 216EC\*\* (\*\* denotes the position of earthing contact)  
*Rated voltage (V)* Rated operating voltages for different position of earthing contact according to table 104 (see below)  
*Rated current (A)* 16  
*IP-Class* 44  
*Standard sheet* 60309-2/2-I  
*Trade mark* **ABB**  
*Product information* 2P+E, rewirable, screw-type terminals  
*Position of earthing contact* 1h, 4h, 6h, 9h and 12h

*Type designation* 316EC\*\* (\*\* denotes the position of earthing contact)  
*Rated voltage (V)* Rated operating voltages for different position of earthing contact according to table 104 (see below)  
*Rated current (A)* 16  
*IP-Class* 44  
*Standard sheet* 60309-2/2-I  
*Trade mark* **ABB**  
*Product information* 3P+E, rewirable, screw-type terminals  
*Position of earthing contact* 1h, 2h, 3h, 4h, 5h, 6h, 7h, 9h, 10h and 11h

*Type designation* 416EC\*\* (\*\* denotes the position of earthing contact)  
*Rated voltage (V)* Rated operating voltages for different position of earthing contact according to table 104 (see below)  
*Rated current (A)* 16  
*IP-Class* 44  
*Standard sheet* 60309-2/2-I  
*Trade mark* **ABB**  
*Product information* 3P+N+E, rewirable, screw-type terminals  
*Position of earthing contact* 1h, 2h, 3h, 4h, 5h, 6h, 7h, 9h, 10h, 11h and 12h

*This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.*



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Type designation	232EC** (** denotes the position of earthing contact)
Rated voltage (V)	Rated operating voltages for different position of earthing contact according to table 104 (see below)
Rated current (A)	32
IP-Class	44
Standard sheet	60309-2/2-I
Trade mark	<b>ABB</b>
Product information	2P+E, rewirable, screw-type terminals
Position of earthing contact	1h, 4h, 6h, 9h and 12h

Type designation	332EC** (** denotes the position of earthing contact)
Rated voltage (V)	Rated operating voltages for different position of earthing contact according to table 104 (see below)
Rated current (A)	32
IP-Class	44
Standard sheet	60309-2/2-I
Trade mark	<b>ABB</b>
Product information	3P+E, rewirable, screw-type terminals
Position of earthing contact	1h, 2h, 3h, 4h, 5h, 6h, 7h, 9h, 10h and 11h

Type designation	432EC** (** denotes the position of earthing contact)
Rated voltage (V)	Rated operating voltages for different position of earthing contact according to table 104 (see below)
Rated current (A)	32
IP-Class	44
Standard sheet	60309-2/2-I
Trade mark	<b>ABB</b>
Product information	3P+N+E, rewirable, screw-type terminals
Position of earthing contact	1h, 2h, 3h, 4h, 5h, 6h, 7h, 9h, 10h, 11h and 12h

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# Intertek Appendix

Reference No. 1617363

Table 104

Number of contacts	Type	Frequency Hz	Rated operating voltage V	Accessories earthing-contact position <sup>a</sup>	
				16/20 A 32/30 A	63/60 A 125/100 A
3 contacts	1P+N+ $\perp$ Series II	50 and 60	100 to 130	4	4
		60	277	5	5
	2P+ $\perp$ Series I and II	50 and 60	100 to 130	4	4
			200 to 250	6	6
		50 and 60	380 to 415	9	9
			480 to 500	7	7
			Supply from an isolating transformer	12	12
		100 up to and including 300	Over 50	10	10
	Over 300 up to and including 500	Over 50	2	2	
	Direct current	Over 50 up to and including 250 <sup>d</sup>	3	3	
Over 250		8	8		
4 contacts	2P+N+ $\perp$ Series II	50 and 60	125/250 single-phase	12	12
	Series I	50 and 60	Supply from an isolating transformer	12	12
	3P+ $\perp$ Series I and II	50 and 60	100 to 130	4	4
			200 to 250	9	9
			380 to 415	6	6
		60	440 to 460 <sup>b</sup>	11	11
		50 and 60	480 to 500	7	7
			600 to 690	5	5
		50 60	380 440 <sup>c</sup>	3	3
		50 and 60	1000	-	8
		100 up to and including 300	Over 50	10	10
Over 300 up to and including 500	Over 50	2	2		
5 contacts	3P+N+ $\perp$ Series I and II	50 and 60	57/100 to 75/130	4	4
			120/208 to 144/250	9	9
			200/346 to 240/415	6	6
			277/480 to 288/500	7	7
			347/600 to 400/690	5	5
		60	250/440 to 265/460 <sup>b</sup>	11	11
		50 60	220/380 250/440 <sup>c</sup>	3	3

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Number of contacts	Type	Frequency Hz	Rated operating voltage V	Accessories earthing-contact position <sup>a</sup>	
				16/20 A 32/30 A	63/60 A 125/100 A
		50 and 60	Supply from an isolating transformer	12	12
		100 up to and including 300	Over 50	10	10
		Over 300 up to and including 500	Over 50	2	2
	All types	All rated operating voltage and/or frequencies not covered by other configurations. This clock counter position can additionally be used in special applications where a distinction to standardized positions is needed		1	1
NOTE The positions shown by a dash (-) are not standardized.					
<p>a The earthing-contact position is indicated by the relevant numeral (see 7.1).</p> <p>b Mainly for marine installations.</p> <p>c Only for refrigerated containers (standardized ISO).</p> <p>d This configuration is required to have an earthing contact because it covers voltages above the upper limits of ELV (d.c.) according to IEC 60364-4-41.</p>					

According to the principle of presumption of conformity, this certificate, which includes production control, constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU. This presumption can expire before end of validity of this certificate due to new issued Standard or Amendment and changes within the EU legislation.

**Manufacturing site(s)**      ABB s.r.o. Elektro-Praga  
 Resslerova 3  
 CZ- 466 02 Jablonec nad Nisou  
 CZECH REPUBLIC

**Certification Body**      Intertek Semko AB, Product Certification      **Place**      Kista - Stockholm

**Signed**        
 Paul Klemets      **Date**      24 November 2016

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