

## EU Declaration of Conformity

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**Product:** **IEC Contactors, Safety Contactors, Reversing Contactors, Safety Reversing Contactors and Accessories**

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**Name and address of the manufacturer:**  
**Rockwell Automation Switzerland GmbH**  
**Industriestrasse 20**  
**CH-5000 Aarau**  
**Switzerland**

**Name and address of the authorised representative:**  
**Rockwell Automation B.V.**  
**Rivium Promenade 160**  
**2909 LM Capelle aan den IJssel**  
**The Netherlands**

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*This declaration of conformity is issued under the sole responsibility of the manufacturer.*

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**Object of the declaration:** **Allen-Bradley 100-D, 100S-D, 104-D, 104S-D Series and Accessories**  
*(reference the attached list of catalogue numbers)*

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*The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:*

2006/95/EC & 2014/35/EU      Low Voltage Directive      (LVD)  
2004/108/EC & 2014/30/EU      EMC Directive      (EMC)

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*References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:*

EN 60947-1:2007 + A1:2011      Low-voltage switchgear and controlgear – Part 1: General rules  
EN 60947-4-1:2010 + A1:2012      Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters  
EN 60947-5-1:2004 + A1:2009      Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices  
EN 60947-5-4:2003      Low-voltage switchgear and controlgear – Part 5-4: Control circuit devices and switching elements – Method of assessing the performance of low energy contacts – Special tests

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Additional information:

**Year of CE Marking (LVD):**      2003

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**Signed for and on behalf of the above named manufacturer:**

**Place and date of issue:**      Aarau, Switzerland      25-Aug-2015

**Name, function:**      Daniel Baumann, Manager – Product Certification Engineering

**Signature:**      i.v. Daniel Baumann

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Catalogue number	Series <sup>1</sup>	Description	Directive <sup>2</sup>	
			EMC	LVD
100* – D * * * * *		Contactors, Safety Contactors without electronically-controlled coil per Nomenclature	N/R	Yes
100* – D * E * * * *		Contactors, Safety Contactors with electronically-controlled coil per Nomenclature	Yes	Yes
104* – D * * * * *		Reversing Contactors, Safety Reversing Contactors without electronically-controlled coil per Nomenclature	N/R	Yes
104* – D * E * * * *		Reversing Contactors, Safety Reversing Contactors with electronically-controlled coil per Nomenclature	Yes	Yes
<b>Accessories</b>				
100* – D * – *		Side Mounted Auxiliary Contacts and Side Mounted Safety Auxiliary Contacts per Nomenclature	N/R	Yes
100 – DM *		Mechanical Interlocks per Nomenclature	N/R	Yes
100 – DFS * *		Suppressor Modules per Nomenclature	N/R	Yes
100 – D * * *		Connecting Components per Nomenclature	N/R	Yes
100 – DTB *		Terminal Lug Sets with plastic frame per Nomenclature	N/R	Yes
100 – DAT *		Control Circuit Terminals per Nomenclature	N/R	Yes
100 – DTS *		Terminal Shields per Nomenclature	N/R	Yes
100 – DTC *		Terminal Covers per Nomenclature	N/R	Yes
100 – FM *		Marking Systems per Nomenclature	N/R	Yes
100 – DM * *		Mounting Plates per Nomenclature	N/R	Yes

- 1) If no series number is given, then all series are covered.
- 2) Yes = Product is certified to this directive.  
N/R = This directive is not required for this product.

MODEL NOMENCLATURE:

***Contactors, Safety Contactors, Reversing Contactors and Safety Reversing Contactors Catalogue Number Explanation***

100 - D					
100S - D	*	*	*	*	*
104 - D					
104S - D					
1	2	3	4	5	6

<b>Position</b>	<b>Catalogue No. Suffix</b>	<b>Options/Descriptions</b>
1	100 - D 100S - D 104 - D 104S - D	Base Catalogue Number Contactor Safety Contactor Reversing Contactor Safety Reversing Contactor
2	115 140, 180 210, 250 300 420	Contactor Size $I_{th} = 160A$ $I_{th} = 250A$ $I_{th} = 350A$ $I_{th} = 450A$ $I_{th} = 540A$
3	One, two or three letters	Control Voltage Coil Code (indicates coil-voltage and -frequency) AC coil code (conventional coil): 24...550V50Hz AC coil code (conventional coil): 24...600V60Hz AC coil code (conventional coil): 100...277V50/60Hz (double frequency) AC coil code (electronically-controlled coil): 24...500V50/60Hz (double frequency). One letter code with prefix "E". DC coil code (conventional coil): 12...250VDC. One letter code with prefix "Z". DC coil code (electronically-controlled coil): 24...255VDC. One or two letter code with prefix "E".
4	No suffix 4 3 2 X	Pole Configuration Three N.O. main contacts and no N.C. main contacts Four N.O. main contacts and no N.C. main contacts Three N.O. main contacts and one N.C. main contacts Two N.O. main contacts and two N.C. main contacts Two N.O. main contacts and no N.C. main contacts

***Contactors, Safety Contactors, Reversing Contactors and Safety Reversing Contactors Catalogue Number Explanation (continued)***

<b><i>Position</i></b>	<b><i>Catalogue No. Suffix</i></b>	<b><i>Options/Descriptions</i></b>
5	<i>Two digits, followed by an optional suffix letter</i>	<i>Auxiliary Contacts for Contactors and Reversing Contactors First digit indicates number of N.O. contacts Second digit indicates number of N.C. contacts Suffix "L" indicates one N.C. contact is late break</i>
	<i>Two digits, followed by one or two suffix letters</i>	<i>Auxiliary Contacts for Contactors and Reversing Contactors for Low Energy Switching First digit indicates number of N.O. contacts Second digit indicates number of N.C. contacts Suffix "L" indicates one N.C. contact is late break, suffix "B" indicates built-in micro switch, suffix "H" indicates bifurcated spanner</i>
	<i>Two digits, followed by one or two suffix letters followed by "C"</i>	<i>Auxiliary Contacts for Safety Contactors and Safety Reversing Contactors First digit indicates number of N.O. contacts Second digit indicates number of N.C. contacts Suffix "L" indicates one N.C. contact is late break, suffix "B" indicates bifurcated spanner</i>
6	<i>Optional "-", followed by letters and digits</i>	<i>Options Information for Special Modifications</i>

## *Accessories Catalogue Number Explanation*

### *A.) Side Mounted Auxiliary Contacts and Side Mounted Safety Auxiliary Contacts*

100 – D	*	-	*
100S – D	*	-	*
1	2		3

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100 – D 100S – D	Base Catalogue Number Side Mounted Auxiliary Contact Side Mounted Safety Auxiliary Contact
2	S0 S1 S2	Mounting Position Left or right, inside or outside mounting Left or right, inside mounting Left or right, outside mounting
3	Optional prefix letter, followed by two digits	Contact Configuration of Standard Switching Contacts Prefix “L” indicates N.C. contact is late break First digit indicates number of N.O. contacts Second digit indicates number of N.C. contacts
	Prefix B, followed by two digits and optional suffix letter	Contact Configuration of Low Energy Switching Contacts First digit indicates number of N.O. contacts Second digit indicates number of N.C. contacts Suffix “H” indicates bifurcated spanner (in place of micro switch)

### *B.) Mechanical Interlocks*

100 – DM	*
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100 – DM	Base Catalogue Number of Mechanical Interlock
2	One letter, followed by two digits	Interlock Function Mechanical only, Electric/mechanical and optional auxiliary contacts (depending on interlock type)

### *C.) Suppressor Modules*

100 – DFS	*	*
1	2	3

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100 – DFS	Base Catalogue Number of Suppressor Module
2	C V	Module Type RC-Module (AC control) for contactors with conventional coil Varistor-Module, for contactors with conventional or electronic coil (depending on module type)
3	Two or three digits	Indicates voltage range

**Accessories Catalogue Number Explanation (continued)**

**D.) Connecting Components**

100 – D	*	*	*
1	2	3	4

<b>Position</b>	<b>Catalogue No. Suffix</b>	<b>Options/Descriptions</b>
1	100 – D	Base Catalogue Number of Connecting Component
2	No suffix or two letters	Connecting Function Indicates Reversing, Wye-Delta or Power Wiring function (depending on component type)
3	180 420	Contacteur Size Range 115... 180 210...420
4	No suffix or combinations of one, two, three or four letters which may be led by “-“	Connecting Function Indicates Reversing, Wye-Delta or Power Wiring function (depending on component type)

**E.) Terminal Lug Sets**

100 – DTB	*
1	2

<b>Position</b>	<b>Catalogue No. Suffix</b>	<b>Options/Descriptions</b>
1	100 – DTB	Base Catalogue Number of Terminal Lug Set with plastic frame
2	180 420	Contacteur Size Range 115... 180 210...420

**F.) Control Circuit Terminals**

100 – DAT	*
1	2

<b>Position</b>	<b>Catalogue No. Suffix</b>	<b>Options/Descriptions</b>
1	100 – DAT	Base Catalogue Number of Control Circuit Terminal
2	1 2	Contacteur Size Range 115... 180 210...420

*Accessories Catalogue Number Explanation (continued)*

**G.) Terminal Shields and Terminal Covers**

100 – DTS	*
100 – DTC	
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100 – DTS 100 – DTC	Base Catalogue Number Terminal Shield Terminal Cover
2	180 420	Contactors Size Range 115... 180 210...420

**H.) Marking Systems**

100 – FM	*
1	2

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100 – FM	Base Catalogue Number of Marking System
2	S	Label Sheet, Self-adhesive Paper Labels
	P	Marking Tag Sheet, Paper Labels
	C	Transparent Cover
	A1 A2	Marking Tag Adapter, System V4/V5 Marking Tag Adapter, System 1492 W

**I.) Mounting Plates**

100 – DM	*	*
1	2	3

<i>Position</i>	<i>Catalogue No. Suffix</i>	<i>Options/Descriptions</i>
1	100 – DM	Base Catalogue Number of Mounting Plate
2	S	Function Direct-on-line
	U	Reversing, two-speed or changeover
	Y	Wye-Delta or Dahlander
3	180 420	Contactors Size Range 115...180 210...420