

## EC Declaration of Conformity

The undersigned, representing the manufacturer

**Rockwell Automation AG**  
**Buchserstr. 7**  
**CH-5000 Aarau, Switzerland**

and the authorized representative established within the  
Community

**Rockwell Automation European Headquarters SA/NV**  
**Vorstlaan/Boulevard du Souverain 36 – BP 3A/B**  
**B-1170 Brussels**  
**Belgium**

herewith declare that the Products

**DOL Starters and Reversing Starters (AC and DC) with thermal  
or solid state overload relay (without enclosure)**

Product identification (brand and  
catalogue number/part number):

**Allen-Bradley 109 - C \* N \* \* \* \***  
**Allen-Bradley 105 - C \* N \* \* \* \***  
(reference the attached list of catalogue numbers)

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are in conformity with the essential requirements of the following EC Directive(s) when installed in accordance with  
the installation instructions contained in the product documentation:

2006/95/EC	Low Voltage Directive
2004/108/EC	EMC Directive

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and that the standards and/or technical specifications referenced below have been applied:


EN 60947-1:2007	Low-voltage switchgear and controlgear – Part 1: General rules
EN 60947-4-1:2001 +A1:2002 +A2:2005	Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor- starters – Electromechanical contactors and motor-starters
EN 60947-5-1:2004	Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices

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Year of CE Marking (Low Voltage Directive): 2002

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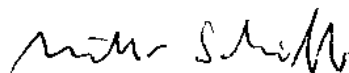
Manufacturer: Authorized Representative in the Community:



i.V.

**Signature**

Name: Dieter Scheel  
Position: Manager Approvals and Standards  
Date: 22-Jun-2009



**Signature**

Name: Viktor Schiffer  
Position: Engineering Manager  
Date: 07-Jul-2009

***DOL Starters, Reversing Starters Catalogue Number Explanation***

109 - C	*	N	*	*	-*	-*
105 - C						
1	2	3	4	5	6	7

<b><i>Position</i></b>	<b><i>Catalogue No. Suffix</i></b>	<b><i>Options/Descriptions</i></b>
1	109 - C 105 - C	Base catalogue number of DOL Starter Base catalogue number of Reversing Starter
2	A B C D E F G H I K	Code for contactor Contactor 100-C09 Contactor 100-C12 Contactor 100-C16 Contactor 100-C23 Contactor 100-C30 Contactor 100-C37 Contactor 100-C43 Contactor 100-C60 Contactor 100-C72 Contactor 100-C85
3	N	Open type (without enclosure)
4	One, two or three letters	Coil code (Indicates coil – voltage and – frequency) AC coil code (conventional coil: 12 ... 550V50 Hz) AC coil code (conventional coil: 12 ... 600V60 Hz) AC coil code (conventional coil: 24 ... 415V50/60Hz, double frequency) DC coil code (conventional coil: 9 ... 250VDC). Two letter code starting with “Z” or “D”; “D” indicates integrated bi-directional diode between coil terminal DC coil code (electronically controlled coil: 24VDC). Two letter code starting with “E” DC coil code (double winding coil: 9 ... 110VDC). Two letter code starting with “Y”
5	0 1 2 3 4 5 6 7 8	Code for auxiliary contact configuration of contactors Without auxiliary contacts One N.C. contact One N.O. contact One N.O. and one N.C contact Two N.O. contacts One N.O. and two N.C. contacts Two N.O. and one N.C. contacts Two N.O. and two N.C. contacts Three N.O. and two N.C. contacts

***DOL Starters, Reversing Starters (continued)***

6	<p>A16 A25 A40 A50 A63 A80 B10 B13 B16 B20 B25 B32 B40 B48 B63 B75 C10 C12 C16 C20 C21 C25 C30 C36 C38 C47 C60 C75 C90</p>	<p><i>Code for current range of thermal overload relays 193-T1*</i></p> <p>0.1 ... 0.16A (for contactors C09-C23) 0.16 ... 0.25A (for contactors C09-C23) 0.25 ... 0.4A (for contactors C09-C23) 0.35 ... 0.5A (for contactors C09-C23) 0.45 ... 0.63A (for contactors C09-C23) 0.55 ... 0.8A (for contactors C09-C23) 0.75 ... 1A (for contactors C09-C23) 0.9 ... 1.3A (for contactors C09-C23) 1.1 ... 1.6A (for contactors C09-C23) 1.4 ... 2A (for contactors C09-C23) 1.8 ... 2.5A (for contactors C09-C23) 2.3 ... 3.2A (for contactors C09-C23) 2.9 ... 4A (for contactors C09-C23) 3.5 ... 4.8A (for contactors C09-C23) 4.5 ... 6.3A (for contactors C09-C23) 5.5 ... 7.5A (for contactors C09-C23) 7.2 ... 10A (for contactors C09-C23) 9 ... 12.5A (for contactors C09-C23) 11.3 ... 16A (for contactors C09-C23) 15 ... 20A (for contactors C16-C37) 17.5 ... 21.5A (for contactors C23-C37) 21 ... 25A (for contactors C23-C37); 17-25A (for contactor C43) 25.4 ... 30A (for contactors C30-C37) 29 ... 36 A (for contactors C30-C37); 24.5-36A (for contactor C43) 33 ... 38A (for contactor C37) 35 ... 47A (for contactor C43) 45 ... 60A (for contactors C60-C85) 58 ... 75A (for contactors C60-C85) 72 ... 90A (for contactors C60-C85)</p>
	<p>D1A, E1A D1B, E1B D1C, E1C, E1P D1D, E1D, E1R D1E, E1E, E1S D1F, E1F, E1T D1G, E1G, E1U</p> <p>C1P, C2P, C3P C1A, C2A, C3A C1B, C2B, C3B C1C, C2C, C3C C1D, C2D, C3D C1E, C2E, C3E</p>	<p><i>Code for current range of solid state overload relays 193-ED*, 193-EE*, 193-EC*, 193S-EE*</i></p> <p>0.1 ... 0.5A (for contactors C09-C23) 0.2 ... 1A (for contactors C09-C23) 1 ... 5A (for contactors C09-C23) 3.2 ... 16A (for contactors C09-C23) 5.4 ... 27A (for contactors C09-C43) 9 ... 45A (for contactor C43) 18 ... 90A (for contactors C60- C85)</p> <p>0.4 ... 2A (for contactors C09-C23) 1 ... 5A (for contactors C09-C43) 3 ... 15A (for contactors C09-C43) 5 ... 25A (for contactors C09-C43) 9 ... 45A (for contactors C30-C85) 18 ... 90A (for contactors C60-C85)</p>

***DOL Starters, Reversing Starters (continued)***

7	<i>JE</i> <i>D</i> <i>R</i> <i>V</i>	<i>Code for coil accessories</i> <i>Electronic interface</i> <i>Surge suppressor with diode</i> <i>Surge suppressor with RC</i> <i>Surge suppressor with varistor</i>
	<i>S01</i> <i>S10</i> <i>S11</i> <i>S20</i>	<i>Code for additional side mount auxiliary contacts for contactor</i> <i>One N.C. contact</i> <i>One N.O. contact</i> <i>One N.O. and one N.C. contact</i> <i>Two N.O. contacts</i>
	<i>F11</i> <i>F20</i> <i>F22</i>	<i>Code for additional front mount auxiliary contacts for contactor</i> <i>One N.O. and one N.C. contact</i> <i>Two N.O. contacts</i> <i>Two N.O. and two N.C. contacts</i>
	<i>GF</i> <i>GJ</i> <i>JM</i> <i>PT</i> <i>RR</i> <i>DN</i> <i>PB</i>	<i>Code for additional extension modules for solid state overload relays</i> <i>193-EE* and 193S-EE* only</i> <i>Ground fault module</i> <i>Ground fault and jam protection module</i> <i>Jam protection module</i> <i>PTC thermistor sensor module</i> <i>Remote reset module</i> <i>DeviceNet module</i> <i>Profibus module</i>