

## 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 and Reversing Starters in plastic enclosure with thermal  
or solid state overload relay**

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

**Allen-Bradley 109 - C \* \* \* \* - \* - \***

**Allen-Bradley 105 - C \* \* \* \* - \* - \***

(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 Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-  
+A2:2005 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

EN 62208:2003 Empty enclosures for low-voltage switchgear and control gear assemblies –  
General requirements

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Year of CE Marking (Low Voltage Directive): 2001

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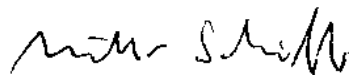
Manufacturer: Authorized Representative in the Community:



i.V.

**Signature**

Name: Dieter Scheel  
Position: Manager Approvals and Standards  
Date: 15-July-2009



**Signature**

Name: Viktor Schiffer  
Position: Engineering Manager  
Date: 15-July-2009

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

109 - C	*	*	*	*	-*	-*
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>
<i>1</i>	<i>109 - C</i> <i>105 - C</i>	<i>Base catalogue number of DOL Starter</i> <i>Base catalogue number of Reversing Starter</i>
<i>2</i>	<i>A</i> <i>B</i> <i>C</i> <i>D</i>	<i>Code for contactor</i> <i>Contactors 100-C09</i> <i>Contactors 100-C12</i> <i>Contactors 100-C16</i> <i>Contactors 100-C23</i>
<i>3</i>	<i>E</i> <i>K</i>	<i>Code for plastic enclosure, size 0, (98 mm by 208 mm by 110 mm)</i> <i>Indicates enclosure type 198E-A*, material ABS</i> <i>Indicates enclosure type 198E-C*, material PC</i>
<i>4</i>	<i>One or two letters</i>	<i>Coil code (Indicates coil – voltage and – frequency)</i> <i>AC coil code (conventional coil: 12 ... 550V50 Hz)</i> <i>AC coil code (conventional coil: 12 ... 600V60 Hz)</i> <i>AC coil code (conventional coil: 24 ... 440V50/60Hz, double frequency)</i>
<i>5</i>	<i>0</i> <i>1</i> <i>2</i> <i>3</i> <i>4</i>	<i>Code for auxiliary contact configuration of contactors</i> <i>Without auxiliary contacts</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>

***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</p>	<p><i>Code for current range of thermal overload relays 193-T1*</i> 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)</p>
	<p>D1A, E1A D1B, E1B D1C, E1C, E1P D1D, E1D, E1R D1E, E1E, E1S</p>	<p><i>Code for current range of solid state overload relays 193-ED*, 193-EE*, 193S-EE*</i> 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-C23)</p>
7	<p>R V</p>	<p><i>Code for coil accessories</i> Surge suppressor with RC Surge suppressor with varistor</p>
	<p>1 1 2 7</p>	<p>MF push button START STOP for DOL starters MF push button FOR-STOP-REV for reversing starters Push button START / raised STOP (green/red) Push button RESET (blue)</p>
	<p>MC</p>	<p>With push button latch for maintained control</p>
	<p>3 3E 3</p>	<p>Selector switch I-0-AUTO Selector switch I-0 Selector switch FOR-OFF-REV for reversing starters</p>
	<p>JM DN</p>	<p>Jam protection / Remote reset module DeviceNet module</p>
	<p>LG LR LY</p>	<p>Pilot lights, IP54 Pilot light "RUN", green Pilot light "RUN", red Pilot light "FAILURE", yellow</p>
	<p>4G 4R 4Y</p>	<p>Pilot lights, IP66 Pilot light "RUN", green Pilot light "RUN", red Pilot light "FAILURE", yellow</p>