

## EC Declaration of Conformity

The undersigned, representing the manufacturer

**Rockwell Automation, Inc.**  
1201 South 2<sup>nd</sup> Street  
Milwaukee, WI 53204  
USA

and the authorised representative established within the  
Community

**Rockwell Automation BV**  
Rivium 1e Straat, 23  
2209 LE Capelle aan den IJssel  
Netherlands

herewith declare that the Products

**ArmorStart™ DeviceNet Safety Distributed Motor Controllers**

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

**Allen-Bradley 280D, 280G, 281D, and 281G Series**  
(reference the attached list of catalogue numbers)

Product Safety Function:

**The ArmorStart 280/281 Series safety motor controllers can be used with  
the ArmorBlock 1732DS-IB8XOBV4 safety I/O module in applications up  
to Safety Category 4, PL e (EN ISO 13849-1).**

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
98/37/EC and 2006/42/EC	Machinery Directive

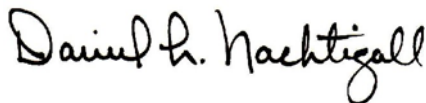
and that the standards and/or technical specifications referenced below have been applied:

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 ISO 13849-1:2008	Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design
EN ISO 13849-2:2008	Safety of machinery – Safety-related parts of control systems – Part 2: Validation
EN ISO 13850:2008	Safety of machinery – Emergency stop – Part 1: Principles for design

Year of CE Marking (Low Voltage Directive): 2009

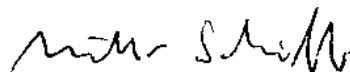
Manufacturer:

Authorised Representative in the Community:



Signature

Name: Daniel L. Nachtigall  
Position: Supv – Product Certification Engineering  
Date: 15-Dec-2009



Signature

Name: Viktor Schiffer  
Position: Engineering Manager  
Date: 15-Jan-2010

<i>Catalogue number</i>	<i>Series<sup>1</sup></i>	<i>Description</i>
280x-FxS-xx-x-x		<i>Non-reversing full-voltage safety starters per Nomenclature</i>
281x-FxS-xx-x-x		<i>Reversing full-voltage safety starters per Nomenclature</i>
280x-FxS-Nx-x-x		<i>Non-reversing full-voltage safety starter control module per Nomenclature</i>
281x-FxS-Nx-x-x		<i>Reversing full-voltage safety starter control module per Nomenclature</i>
280x-FNS-x-x		<i>Safety base module per Nomenclature</i>

1) If no series number is given, then all series are covered

MODEL NOMENCLATURE: Complete DOL Safety Starter Assemblies:

280	D	-	F	12	S	-	10	C	-	CR	-	3
1	2		3	4	5		6	7		8		9

1.	Designates Product Type 280 – ArmorStart non-reversing starter 281 – ArmorStart reversing starter
2.	Designates Communication Protocol Type D – DeviceNet G – DeviceNet with 6-input module
3.	Designates Enclosure Type F – Cast aluminium (Type 4, IP 67)
4.	Designated Magnetic Controller Type 12 – 100-C12 contactor 23 – 100-C23 contactor
5.	Designates Control Voltage S – 24 V dc
6.	Designates Manual Motor Controller Size 10 – 140M-D8N-C10 25 – 140M-D8N-C25
7.	Designates Overload Current Range B – 0.5 to 2.5 A C – 1.1 to 5.5 A D – 3.2 to 16.0 A
8.	Designates Line/Load Connection Type CR* – Conduit (line)/round connector (load) with variable cable options RR* – Receptacle for ArmorConnect (Round media line/load) with variable cable options
9.	Option 1 3 – Hand-Off-Auto selector 3FR – Hand-Off-Auto selector with Forward/Reverse CBG – Control brake option

MODEL NOMENCLATURE (cont): DOL Safety Control Module Assemblies:

280	D	-	F	12	S	-	N	B	-	R	-	3
1	2		3	4	5		6	7		8		9

1.	Designates Product Type 280 – ArmorStart non-reversing starter 281 – ArmorStart reversing starter
2.	Designates Communication Protocol Type D – DeviceNet G – DeviceNet with 6-input module
3.	Designates Enclosure Type F – Cast aluminium (Type 4, IP 67)
4.	Designated Magnetic Controller Type 12 – 100-C12 contactor 23 – 100-C23 contactor
5.	Designates Control Voltage S – 24 V dc
6.	Designates Control Module Type N – Control module only (no base module)
7.	Designates Overload Current Range B – 0.5 to 2.5 A C – 1.1 to 5.5 A D – 3.2 to 16.0 A
8.	Designates Load Connection Type R – Receptacle for ArmorConnect (round media) RG – M35 receptacle for ArmorConnect (round media, 10 AWG)
9.	Option 1 3 – Hand-Off-Auto selector 3FR – Hand-Off-Auto selector with Forward/Reverse CBG – Control brake option

MODEL NOMENCLATURE (cont): Safety Base Module Assemblies:

280	G	-	F	NS	-	25	-	RG
1	2		3	4		5		6

1.	Designates Product Type 280 – ArmorStart non-reversing starter 281 – ArmorStart reversing starter
2.	Designates Communication Protocol Type D – DeviceNet G – DeviceNet with 6-input module
3.	Designates Enclosure Type F – Cast aluminium (Type 4, IP 67)
4.	Designates Base Module Type NS – Base module only (no control module)
5.	Designates Manual Motor Controller Size 10 – 140M-D8N-C10 25 – 140M-D8N-C25
6.	Designates Line Connection Type C – Conduit RR – Receptacle for ArmorConnect (round media) RG – Receptacle for ArmorConnect (Round media line/load) with 10 AWG conductors