## EU Declaration of Conformity

| Product: | IEC Contactors, Safety Contactors, Reversing Contactors, Safety Reversing Contactors and Accessories |
| :---: | :---: |
| Name and address of the manufacturer: | Name and address of the authorised representative: |
| Rockwell Automation Switzerland Gmb | bH Rockwell Automation B.V. |
| Industriestrasse 20 | Rivium Promenade 160 |
| CH-5000 Aarau | 2909 LM Capelle aan den Ijssel |
| Switzerland | The Netherlands |
| This declaration of conformity is issued under the sole responsibility of the manufacturer. |  |
| Object of the declaration: | Allen-Bradley 100-D, 100S-D, 104-D, 104S-D Series and Accessories (reference the attached list of catalogue numbers) |
| 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) |
| 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 motorstarters - 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 |
| Additional information: |  |
| Year of CE Marking (LVD): | 2003 |
| 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. Sariel Saumares |


| Catalogue number | Series ${ }^{1}$ | Description | Directive ${ }^{2}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | EMC | LVD |
| 100*- $\mathrm{D} * * * * *$ |  | Contactors, Safety Contactors without electronically-controlled coil per Nomenclature | $N / R$ | Yes |
| 100*-D* $\mathrm{E} * * * *$ |  | Contactors, Safety Contactors with electronically-controlled coil per Nomenclature | Yes | Yes |
| 104*- $\mathrm{D} * * * * *$ |  | Reversing Contactors, Safety Reversing Contactors without electronically-controlled coil per Nomenclature | $N / R$ | Yes |
| $104 *-\mathrm{D} * \mathrm{E} * * * *$ |  | Reversing Contactors, Safety Reversing Contactors with electronically-controlled coil per Nomenclature | Yes | Yes |
| Accessories |  |  |  |  |
| 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 |
| $100-\mathrm{D} * * *$ |  | 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 |
| $100-\mathrm{DM}$ * * |  | 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

| $100-\mathrm{D}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $100 \mathrm{~S}-\mathrm{D}$ | $*$ | $*$ | $*$ | $*$ | $*$ |
| $104-\mathrm{D}$ |  |  |  |  |  |
| $104 \mathrm{~S}-\mathrm{D}$ |  |  |  |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 |


| Position | Catalogue No. Suffix | Options/Descriptions |
| :---: | :---: | :---: |
| 1 | $\begin{gathered} 100-D \\ 100 S-D \\ 104-D \\ 104 S-D \\ \hline \end{gathered}$ | Base Catalogue Number Contactor <br> Safety Contactor Reversing Contactor Safety Reversing Contactor |
| 2 | $\begin{gathered} 115 \\ 140,180 \\ 210,250 \\ 300 \\ 420 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Contactor Size } \\ & I_{\text {th }}=160 \mathrm{~A} \\ & I_{\text {th }}=250 \mathrm{~A} \\ & I_{\text {th }}=350 \mathrm{~A} \\ & I_{\text {th }}=450 \mathrm{~A} \\ & I_{\text {th }}=540 \mathrm{~A} \\ & \hline \end{aligned}$ |
| 3 | One, two or three letters | Control Voltage Coil Code (indicates coil-voltage and -frequency) <br> AC coil code (conventional coil): $24 . . .550 \mathrm{~V} 50 \mathrm{~Hz}$ <br> AC coil code (conventional coil): $24 . . .600 \mathrm{~V} 60 \mathrm{~Hz}$ <br> AC coil code (conventional coil): $100 . . .277 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ (double <br> frequency) <br> AC coil code (electronically-controlled coil): $24 . . .500 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ <br> (double frequency). One letter code with prefix " $E$ ". <br> DC coil code (conventional coil): 12...250VDC. One letter code with prefix "Z". <br> DC coil code (electronically-controlled coil): 24...255VDC. One or two letter code with prefix " $E$ ". |
| 4 | $\begin{gathered} \text { No suffix } \\ 4 \\ 3 \\ 2 \\ 2 \\ \hline \end{gathered}$ | Pole Configuration <br> 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)

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

## Accessories Catalogue Number Explanation

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

$\left.\begin{array}{|c|c|c|c|}\hline 100-\mathrm{D} & * & - & * \\ \hline 100 \mathrm{~S}-\mathrm{D}\end{array}\right)$

| Position | Catalogue No. Suffix | Options/Descriptions |
| :---: | :---: | :---: |
| 1 | $\begin{gathered} 100-D \\ 100 S-D \\ \hline \end{gathered}$ | Base Catalogue Number <br> Side Mounted Auxiliary Contact <br> Side Mounted Safety Auxiliary Contact |
| 2 | $\begin{aligned} & \text { SO } \\ & \text { S1 } \\ & \text { S2 } \\ & \hline \end{aligned}$ | Mounting Position <br> Left or right, inside or outside mounting Left or right, inside mounting <br> 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 <br> First digit indicates number of N.O. contacts <br> Second digit indicates number of N.C. contacts <br> Suffix "H" indicates bifurcated spanner (in place of micro switch) |

## B.) Mechanical Interlocks

| $100-\mathrm{DM}$ | $*$ |
| :---: | :---: |
| 1 | 2 |


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

C.) Suppressor Modules

| $100-$ DFS | $*$ | $*$ |
| :---: | :---: | :---: |
| 1 | 2 | 3 |


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

## Accessories Catalogue Number Explanation (continued)

## D.) Connecting Components

| $100-\mathrm{D}$ | $*$ | $*$ | $*$ |
| :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 |


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

## E.) Terminal Lug Sets

| $100-$ DTB | $*$ |
| :---: | :---: |
| 1 | 2 |


| Position | Catalogue No. Suffix | Options/Descriptions |
| :---: | :---: | :--- |
| 1 | $100-$ DTB | Base Catalogue Number of Terminal Lug Set with plastic frame |
| 2 |  | Contactor Size Range |
|  | 180 | $115 \ldots 180$ |
|  | 420 | $210 \ldots 420$ |

## F.) Control Circuit Terminals

| $100-$ DAT | $*$ |
| :---: | :---: |
| 1 | 2 |


| Position | Catalogue No. Suffix | Options/Descriptions |
| :---: | :---: | :--- |
| 1 | $100-$ DAT | Base Catalogue Number of Control Circuit Terminal |
| 2 |  | Contactor Size Range |
|  | 1 | $115 \ldots . .180$ |
|  | 2 | $210 \ldots 420$ |

## Accessories Catalogue Number Explanation (continued)

G.) Terminal Shields and Terminal Covers

| 100-DTS |  |
| :---: | :---: |
| 100 -DTC | $*$ |
| 1 | 2 |


| Position | Catalogue No. Suffix | Options/Descriptions |
| :---: | :---: | :--- |
| 1 | $100-$ DTS | Base Catalogue Number <br> Terminal Shield <br> Terminal Cover |
| $100-$ DTC |  | Contactor Size Range |
|  | 180 | $115 \ldots 180$ |
| $210 \ldots 420$ |  |  |

## H.) Marking Systems

| $100-\mathrm{FM}$ | $*$ |
| :---: | :---: |
| 1 | 2 |


| Position | Catalogue No. Suffix | Options/Descriptions |
| :---: | :---: | :--- |
| 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 | Marking Tag Adapter, System V4/V5 |
|  | A2 | Marking Tag Adapter, System 1492 W |

## I.) Mounting Plates

| $100-\mathrm{DM}$ | $*$ | $*$ |
| :---: | :---: | :---: |
| 1 | 2 | 3 |


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

