

# FDV dokumentasjon

| Jordfeil-<br>automat<br>DS200 M        | Typebetegnelse                 | Varenummer      | EAN           | El.nummer |
|----------------------------------------|--------------------------------|-----------------|---------------|-----------|
| 2 pol<br>3 pol<br>4 pol<br>B og C Kar. | Jordfeilaut DS202 M A-B6/0,03  | 2CSR272101R1065 | 8012542845508 | 1653539   |
|                                        | Jordfeilaut DS202 M A-B10/0,03 | 2CSR272101R1105 | 8012542845607 | 1653540   |
|                                        | Jordfeilaut DS202 M A-B13/0,03 | 2CSR272101R1135 | 8012542845706 | 1653541   |
|                                        | Jordfeilaut DS202 M A-B16/0,03 | 2CSR272101R1165 | 8012542845805 | 1653542   |
|                                        | Jordfeilaut DS202 M A-B20/0,03 | 2CSR272101R1205 | 8012542845904 | 1653543   |
|                                        | Jordfeilaut DS202 M A-B25/0,03 | 2CSR272101R1255 | 8012542846000 | 1653544   |
|                                        | Jordfeilaut DS202 M A-B32/0,03 | 2CSR272101R1325 | 8012542846109 | 1653545   |
|                                        | Jordfeilaut DS202 M A-B40/0,03 | 2CSR272101R1405 | 8012542846208 | 1653546   |
|                                        | Jordfeilaut DS202 M A-B50/0,03 | 2CSR272101R1505 | 8012542846307 | 1653547   |
|                                        | Jordfeilaut DS202 M A-B63/0,03 | 2CSR272101R1635 | 8012542846406 | 1653548   |
|                                        | Jordfeilaut DS203 M A-B6/0,03  | 2CSR273101R1065 | 8012542846505 | 1653549   |
|                                        | Jordfeilaut DS203 M A-B10/0,03 | 2CSR273101R1105 | 8012542846604 | 1653550   |
|                                        | Jordfeilaut DS203 M A-B13/0,03 | 2CSR273101R1135 | 8012542846703 | 1653551   |
|                                        | Jordfeilaut DS203 M A-B16/0,03 | 2CSR273101R1165 | 8012542846802 | 1653552   |
|                                        | Jordfeilaut DS203 M A-B20/0,03 | 2CSR273101R1205 | 8012542846901 | 1653553   |
|                                        | Jordfeilaut DS203 M A-B25/0,03 | 2CSR273101R1255 | 8012542847007 | 1653554   |
|                                        | Jordfeilaut DS203 M A-B32/0,03 | 2CSR273101R1325 | 8012542847106 | 1653555   |
|                                        | Jordfeilaut DS203 M A-B40/0,03 | 2CSR273101R1405 | 8012542847205 | 1653556   |
|                                        | Jordfeilaut DS203 M A-B50/0,03 | 2CSR273101R1505 | 8012542847304 | 1653557   |
|                                        | Jordfeilaut DS203 M A-B63/0,03 | 2CSR273101R1635 | 8012542847403 | 1653558   |
|                                        | Jordfeilaut DS204 M A-B6/0,03  | 2CSR274101R1065 | 8012542847502 | 1653559   |
|                                        | Jordfeilaut DS204 M A-B10/0,03 | 2CSR274101R1105 | 8012542847601 | 1653560   |
|                                        | Jordfeilaut DS204 M A-B13/0,03 | 2CSR274101R1135 | 8012542847700 | 1653561   |
|                                        | Jordfeilaut DS204 M A-B16/0,03 | 2CSR274101R1165 | 8012542847809 | 1653562   |
|                                        | Jordfeilaut DS204 M A-B20/0,03 | 2CSR274101R1205 | 8012542847908 | 1653563   |
|                                        | Jordfeilaut DS204 M A-B25/0,03 | 2CSR274101R1255 | 8012542848004 | 1653564   |
|                                        | Jordfeilaut DS204 M A-B32/0,03 | 2CSR274101R1325 | 8012542848103 | 1653565   |
|                                        | Jordfeilaut DS204 M A-B40/0,03 | 2CSR274101R1405 | 8012542848202 | 1653566   |
|                                        | Jordfeilaut DS204 M A-B50/0,03 | 2CSR274101R1505 | 8012542848301 | 1653567   |
|                                        | Jordfeilaut DS204 M A-B63/0,03 | 2CSR274101R1635 | 8012542848400 | 1653568   |
|                                        | Jordfeilaut DS202 M A-C6/0,03  | 2CSR272101R1064 | 8012542848509 | 1653569   |
|                                        | Jordfeilaut DS202 M A-C10/0,03 | 2CSR272101R1104 | 8012542848608 | 1653570   |
|                                        | Jordfeilaut DS202 M A-C13/0,03 | 2CSR272101R1134 | 8012542848707 | 1653571   |
|                                        | Jordfeilaut DS202 M A-C16/0,03 | 2CSR272101R1164 | 8012542848806 | 1653572   |
|                                        | Jordfeilaut DS202 M A-C20/0,03 | 2CSR272101R1204 | 8012542848905 | 1653573   |
|                                        | Jordfeilaut DS202 M A-C25/0,03 | 2CSR272101R1254 | 8012542849001 | 1653574   |
|                                        | Jordfeilaut DS202 M A-C32/0,03 | 2CSR272101R1324 | 8012542849100 | 1653575   |
|                                        | Jordfeilaut DS202 M A-C40/0,03 | 2CSR272101R1404 | 8012542849209 | 1653576   |
|                                        | Jordfeilaut DS202 M A-C50/0,03 | 2CSR272101R1504 | 8012542849308 | 1653577   |
|                                        | Jordfeilaut DS202 M A-C63/0,03 | 2CSR272101R1634 | 8012542849407 | 1653578   |
|                                        | Jordfeilaut DS203 M A-C6/0,03  | 2CSR273101R1064 | 8012542849506 | 1653579   |
|                                        | Jordfeilaut DS203 M A-C10/0,03 | 2CSR273101R1104 | 8012542849605 | 1653580   |
|                                        | Jordfeilaut DS203 M A-C13/0,03 | 2CSR273101R1134 | 8012542849704 | 1653581   |
|                                        | Jordfeilaut DS203 M A-C16/0,03 | 2CSR273101R1164 | 8012542849803 | 1653582   |
|                                        | Jordfeilaut DS203 M A-C20/0,03 | 2CSR273101R1204 | 8012542849902 | 1653583   |
|                                        | Jordfeilaut DS203 M A-C25/0,03 | 2CSR273101R1254 | 8012542850007 | 1653584   |
|                                        | Jordfeilaut DS203 M A-C32/0,03 | 2CSR273101R1324 | 8012542850106 | 1653585   |
|                                        | Jordfeilaut DS203 M A-C40/0,03 | 2CSR273101R1404 | 8012542850205 | 1653586   |
|                                        | Jordfeilaut DS203 M A-C50/0,03 | 2CSR273101R1504 | 8012542850304 | 1653587   |
|                                        | Jordfeilaut DS203 M A-C63/0,03 | 2CSR273101R1634 | 8012542850403 | 1653588   |
|                                        | Jordfeilaut DS204 M A-C6/0,03  | 2CSR274101R1064 | 8012542850502 | 1653589   |
|                                        | Jordfeilaut DS204 M A-C10/0,03 | 2CSR274101R1104 | 8012542850601 | 1653590   |
|                                        | Jordfeilaut DS204 M A-C13/0,03 | 2CSR274101R1134 | 8012542850700 | 1653591   |
|                                        | Jordfeilaut DS204 M A-C16/0,03 | 2CSR274101R1164 | 8012542850809 | 1653592   |
|                                        | Jordfeilaut DS204 M A-C20/0,03 | 2CSR274101R1204 | 8012542850908 | 1653593   |
|                                        | Jordfeilaut DS204 M A-C25/0,03 | 2CSR274101R1254 | 8012542851004 | 1653594   |
|                                        | Jordfeilaut DS204 M A-C32/0,03 | 2CSR274101R1324 | 8012542851103 | 1653595   |
|                                        | Jordfeilaut DS204 M A-C40/0,03 | 2CSR274101R1404 | 8012542851202 | 1653596   |
|                                        | Jordfeilaut DS204 M A-C50/0,03 | 2CSR274101R1504 | 8012542851301 | 1653597   |
|                                        | Jordfeilaut DS204 M A-C63/0,03 | 2CSR274101R1634 | 8012542851400 | 1653598   |

FDV

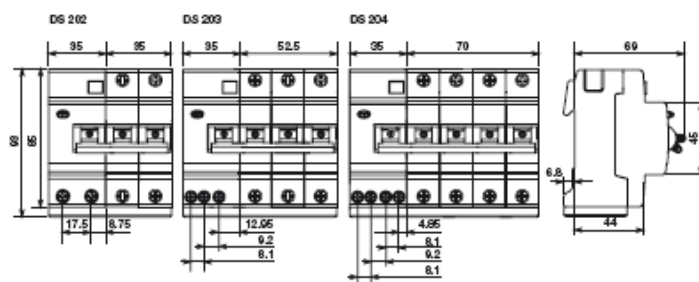
Jordfeilautomatene er produsert og testet i henhold til EN/IEC 61009.

Testknapp må betjenes halvårlig

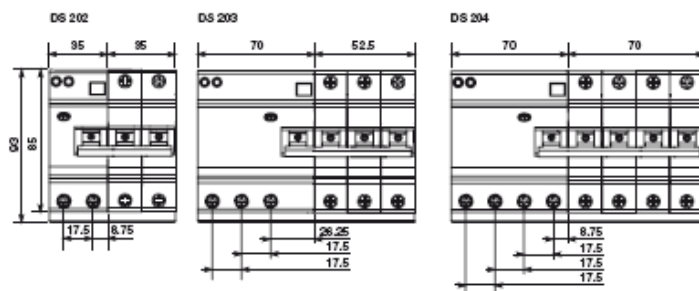
## Tekniske Data

| TEKNISKE DATA                       |                                                                                   |                                                                                 | DS 200 M                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Standards                           |                                                                                   |                                                                                 | IEC/EN 61009, IEC/EN 60947-2                                                                                                     |
| Electrical features                 | Operating characteristic: type (wave form of the earth leakage sensed)            |                                                                                 | A                                                                                                                                |
|                                     | Poles                                                                             |                                                                                 | 2P, 3P, 4P                                                                                                                       |
|                                     | Rated sensitivity I <sub>an</sub>                                                 | A                                                                               | 0.03                                                                                                                             |
|                                     | Rated current I <sub>n</sub>                                                      | A                                                                               | 6 ≤ I <sub>n</sub> ≤ 63 (1)                                                                                                      |
|                                     | Rated voltage U <sub>e</sub>                                                      | V                                                                               | 230-240                                                                                                                          |
|                                     |                                                                                   |                                                                                 | 230/400 - 240/415                                                                                                                |
|                                     | Rated residual operating current                                                  | A                                                                               | 0.03                                                                                                                             |
|                                     | Insulation voltage U <sub>i</sub>                                                 | V                                                                               | 500                                                                                                                              |
|                                     | Max. operating voltage of circuit test                                            | V                                                                               | 254 (440 for 3P and 4P)                                                                                                          |
|                                     | Min. operating voltage of circuit test                                            | V                                                                               | 110 (195 for 3P and 4P)                                                                                                          |
|                                     | Rated frequency                                                                   | Hz                                                                              | 50, 60                                                                                                                           |
|                                     | Rated breaking capacity acc. to IEC/EN 61009                                      | A                                                                               | 10000                                                                                                                            |
|                                     | Rated breaking capacity acc. to IEC/EN 60947-2 1P+N @230 VAC, 2P, 3P, 4P @400 VAC | ultimate I <sub>on</sub><br>ultimate I <sub>ou</sub><br>service I <sub>os</sub> | kA<br>kA<br>kA                                                                                                                   |
|                                     |                                                                                   |                                                                                 | 15<br>15<br>11,2                                                                                                                 |
|                                     | Rated residual breaking capacity I <sub>am</sub>                                  | kA                                                                              | 10                                                                                                                               |
| Mechanical features                 | Rated impulse withstand voltage (1.2/50) U <sub>imp</sub>                         | kV                                                                              | 6                                                                                                                                |
|                                     | Dielectric test voltage at ind. freq. for 1 min.                                  | kV                                                                              | 2.5                                                                                                                              |
|                                     | Overvoltage category                                                              |                                                                                 | III, disconnector abilities                                                                                                      |
|                                     | Thermomagnetic release characteristic                                             |                                                                                 | O<br>O<br>O                                                                                                                      |
|                                     | Surge current resistance (wave 8/20)                                              | A                                                                               | 250                                                                                                                              |
|                                     | Toggle                                                                            | 2P, 3P, 4P                                                                      | black (MCB) sealable in ON-OFF position + blue (RCD)                                                                             |
|                                     | Electrical life                                                                   |                                                                                 | 10000                                                                                                                            |
|                                     | Mechanical life                                                                   |                                                                                 | 20000                                                                                                                            |
|                                     | Protection degree                                                                 | housing terminals                                                               | IP4X<br>IP2X                                                                                                                     |
|                                     | Tropicalization acc. to IEC /EN 60068-2                                           | humid heat<br>constant climatic conditions<br>variable climatic conditions      | °C/RH<br>°C/RH<br>°C/RH                                                                                                          |
|                                     |                                                                                   |                                                                                 | 28 cycles with 55/95...100<br>23/83 - 40/93 - 55/20<br>25/95 - 40/95                                                             |
|                                     | Reference temperature for setting of thermal element                              | °C                                                                              | 30                                                                                                                               |
|                                     | Ambient temperature (with daily average ≤ +35 °C)                                 | °C                                                                              | -25...+55                                                                                                                        |
|                                     | Storage temperature                                                               | °C                                                                              | -25...+55                                                                                                                        |
| Installation                        | Terminal type                                                                     | top                                                                             | failsafe bidirectional cylinder-lift terminal (shock protected) (2)                                                              |
|                                     |                                                                                   | bottom 2P                                                                       | failsafe bidirectional cylinder-lift terminal (shock protected) (2)                                                              |
|                                     |                                                                                   | 3P/4P I <sub>n</sub> ≤ 40 A<br>3P/4P 50 A ≤ I <sub>n</sub> ≤ 63 A               | cage (shock protected)<br>failsafe bidirectional cylinder-lift terminal (shock protected) (2)                                    |
|                                     | Terminal size top/bottom per cable                                                | 2P<br>3P/4P I <sub>n</sub> ≤ 40 A<br>3P/4P 50 A ≤ I <sub>n</sub> ≤ 63 A         | mm <sup>2</sup><br>mm <sup>2</sup><br>mm <sup>2</sup>                                                                            |
|                                     |                                                                                   |                                                                                 | (rigid and flexible) up to 25/25<br>(rigid and flexible) up to 25/16<br>(rigid and flexible) up to 25/25                         |
|                                     | Tightening torque top/bottom                                                      | 2P<br>3P/4P I <sub>n</sub> ≤ 40 A<br>3P/4P 50 A ≤ I <sub>n</sub> ≤ 63 A         | N·m<br>N·m<br>N·m                                                                                                                |
|                                     |                                                                                   |                                                                                 | 2,8/2,3<br>2,8/1,2<br>2,8/2,3                                                                                                    |
|                                     | Mounting                                                                          |                                                                                 | on DIN rail EN 60715 (35 mm) by means of fast clip device                                                                        |
|                                     | Connection                                                                        |                                                                                 | 715 (35 mm) by means of fast clip device from top and bottom                                                                     |
|                                     | Dimensions and weight                                                             | Dimensions (H x D x W)                                                          | 2P<br>3P I <sub>n</sub> ≤ 40 A<br>4P I <sub>n</sub> ≤ 40 A<br>3P 50 A ≤ I <sub>n</sub> ≤ 63 A<br>4P 50 A ≤ I <sub>n</sub> ≤ 63 A |
|                                     |                                                                                   |                                                                                 | mm<br>mm<br>mm<br>mm<br>mm                                                                                                       |
|                                     |                                                                                   |                                                                                 | 85 x 69 x 70<br>85 x 69 x 87,5<br>85 x 69 x 105<br>85 x 69 x 122,5<br>85 x 69 x 140                                              |
|                                     |                                                                                   | Weight                                                                          | 2P<br>3P I <sub>n</sub> ≤ 40 A<br>4P I <sub>n</sub> ≤ 40 A<br>3P 50 A ≤ I <sub>n</sub> ≤ 63 A<br>4P 50 A ≤ I <sub>n</sub> ≤ 63 A |
|                                     |                                                                                   |                                                                                 | g<br>g<br>g<br>g<br>g                                                                                                            |
|                                     |                                                                                   |                                                                                 | 475<br>625<br>775<br>775<br>925                                                                                                  |
| Combination with auxiliary elements | Combinable with:                                                                  | auxiliary contact                                                               | yes                                                                                                                              |
|                                     |                                                                                   | signal contact/auxiliary switch                                                 | yes                                                                                                                              |
|                                     |                                                                                   | shunt trip<br>undervoltage release                                              | yes<br>yes                                                                                                                       |

### In up to 40 A



### In = 50, 63 A



Produsent

Navn

Adresse

Tlf.

E-post

ABB AS

Bergerveien 12  
1396 Billingstad

03500

automasjonsprodukter@no.abb.com