

LOAD FEEDER FUSE LINE DIRECT START,  
400 V AC, SIZES00 4.5...6.3 A, 24 V DC,  
WITH CONTACTOR 3RT101611BB41,  
BUILT-ON AUX. SWITCH,  
FOR LS 3RV19011EIQ = 50 KA

| General technical data:                                                         |    |                               |
|---------------------------------------------------------------------------------|----|-------------------------------|
| product brand name                                                              |    | SIRIUS                        |
| Product designation                                                             |    | non-fused load feeder         |
| Design of the product                                                           |    | direct starter                |
| Size of the load feeder                                                         |    | S00                           |
| Protection class IP / on the front                                              |    | IP20                          |
| Degree of pollution                                                             |    | 3                             |
| Insulation voltage / rated value                                                | V  | 690                           |
| Installation altitude / at a height over sea level / maximum                    | m  | 2,000                         |
| Ambient temperature                                                             |    |                               |
| • during storage                                                                | °C | -55 ... +80                   |
| • during operating                                                              | °C | -20 ... +70                   |
| Resistance against shock                                                        |    | 9.8g                          |
| Impulse voltage resistance / rated value                                        | kV | 6                             |
| Reference code                                                                  |    |                               |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 |    | Q                             |
| • according to DIN EN 61346-2                                                   |    | Q                             |
| Type of assignment                                                              |    | 1                             |
| Mechanical operating cycles as operating time / of the contactor / typical      |    | 30,000,000                    |
| Manufacturer article number                                                     |    |                               |
| • of the circuit-breakers included in the scope of supply                       |    | <a href="#">3RV1011-1GA15</a> |
| • of the contactor included in the scope of supply                              |    | <a href="#">3RT1016-1BB41</a> |
| • of the link module included in the scope of supply                            |    | <a href="#">3RA1911-1AA00</a> |
| Design of the switching contact                                                 |    | electromechanical             |
| Type of the motor protection                                                    |    | bimetal                       |
| Adjustable response current                                                     |    |                               |
| • of the current-dependent overload release                                     | A  | 4.5 ... 6.3                   |

### Communication/ Protocol:

|                                             |  |    |
|---------------------------------------------|--|----|
| <b>Product function / bus-communication</b> |  | No |
| <b>Protocol / is supported</b>              |  |    |
| • AS interface protocol                     |  | No |
| • PROFIBUS DP protocol                      |  | No |
| • PROFINET protocol                         |  | No |

|                                                             |     |     |
|-------------------------------------------------------------|-----|-----|
| <b>Main circuit:</b>                                        |     |     |
| <b>Number of poles / for main current circuit</b>           |     | 3   |
| <b>Operating voltage / at AC-3 / rated value / maximum</b>  | V   | 400 |
| <b>Operating current / at AC-3 / at 400 V / rated value</b> | A   | 5   |
| <b>Service power / at AC-3 / at 400 V / rated value</b>     | kW  | 2.2 |
| <b>Off-load operating frequency</b>                         | 1/s | 15  |

|                                               |   |    |
|-----------------------------------------------|---|----|
| <b>Control circuit/ Control:</b>              |   |    |
| <b>Voltage type / of control feed voltage</b> |   | DC |
| <b>Control supply voltage / 1</b>             |   |    |
| • for DC                                      |   |    |
| • rated value                                 | V | 24 |

|                                                       |  |     |
|-------------------------------------------------------|--|-----|
| <b>Auxiliary circuit:</b>                             |  |     |
| <b>Product extension / auxiliary switch</b>           |  | Yes |
| <b>Number of NC contacts / for auxiliary contacts</b> |  | 1   |
| <b>Number of NO contacts / for auxiliary contacts</b> |  | 2   |

|                                 |  |   |
|---------------------------------|--|---|
| <b>Inputs/ Outputs:</b>         |  |   |
| <b>Number of digital inputs</b> |  | 0 |

|                                                                                                |    |                  |
|------------------------------------------------------------------------------------------------|----|------------------|
| <b>Short-circuit:</b>                                                                          |    |                  |
| <b>Product function / short circuit protection</b>                                             |    | Yes              |
| <b>Design of the short-circuit protection</b>                                                  |    | circuit-breakers |
| <b>Breaking capacity limit short-circuit current (I<sub>cu</sub>) / at 400 V / rated value</b> | kA | 50               |

|                                                                     |    |                                                                                                                   |
|---------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------|
| <b>Installation/ mounting/ dimensions:</b>                          |    |                                                                                                                   |
| <b>mounting position</b>                                            |    | bei senkrechter Montageebene +/-90° drehbar, bei senkrechter Montageebene +/- 22,5° nach vorne und hinten kippbar |
| <b>Mounting type</b>                                                |    | snap-on mounting                                                                                                  |
| <b>Width</b>                                                        | mm | 45                                                                                                                |
| <b>Height</b>                                                       | mm | 203                                                                                                               |
| <b>Depth</b>                                                        | mm | 128                                                                                                               |
| <b>Distance, to be maintained, to the ranks assembly / sideways</b> | mm | 0                                                                                                                 |
| <b>Distance, to be maintained, to earthed part</b>                  |    |                                                                                                                   |

|                                                        |    |    |
|--------------------------------------------------------|----|----|
| • forwards                                             | mm | 10 |
| • backwards                                            | mm | 0  |
| • upwards                                              | mm | 20 |
| • sideways                                             | mm | 9  |
| <b>Distance, to be maintained, conductive elements</b> |    |    |
| • forwards                                             | mm | 10 |
| • backwards                                            | mm | 9  |
| • downwards                                            | mm | 0  |
| • sideways                                             | mm | 20 |

#### Connections/ terminals:

|                                                                       |  |                                                                 |
|-----------------------------------------------------------------------|--|-----------------------------------------------------------------|
| <b>Design of the electrical connection / for main current circuit</b> |  | screw-type terminals                                            |
| <b>Type of the connectable conductor cross-section</b>                |  |                                                                 |
| • for main contacts                                                   |  |                                                                 |
| • solid                                                               |  | 0.5 ... 4 mm <sup>2</sup> , 2x (0.75 ... 2.5 mm <sup>2</sup> )  |
| • stranded                                                            |  | 0.5 ... 4 mm <sup>2</sup> , 2x (0.75 ... 2.5 mm <sup>2</sup> )  |
| • finely stranded / with conductor end processing                     |  | 0.5 ... 2.5 mm <sup>2</sup> , 2x (0.5 ... 2.5 mm <sup>2</sup> ) |
| • for AWG conductors / for main contacts                              |  | 2x (18 ... 14)                                                  |
| <b>Verification of suitability</b>                                    |  | UL / CSA / CCC / GL / LRS / BV / DNV / PRS                      |

#### Certificates/ approvals:

|                                 |                                       |                                  |
|---------------------------------|---------------------------------------|----------------------------------|
| <b>General Product Approval</b> | <b>For use in hazardous locations</b> | <b>Declaration of Conformity</b> |
|---------------------------------|---------------------------------------|----------------------------------|



#### Shipping Approval



#### other

[other](#)

[Environmental Confirmations](#)

#### Further information:

##### Information- and Downloadcenter (Catalogs, Brochures,...)

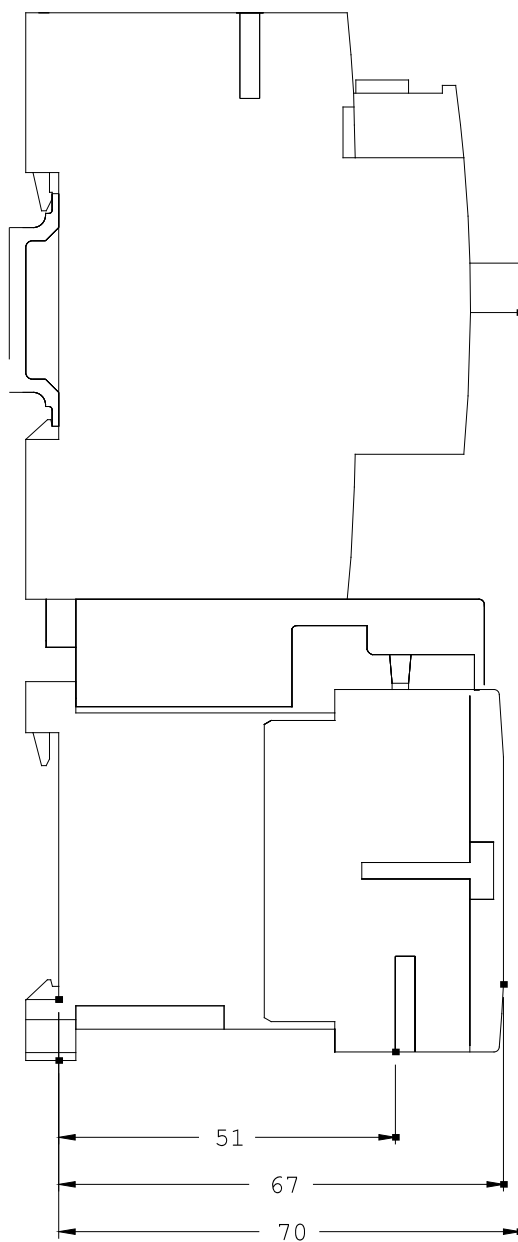
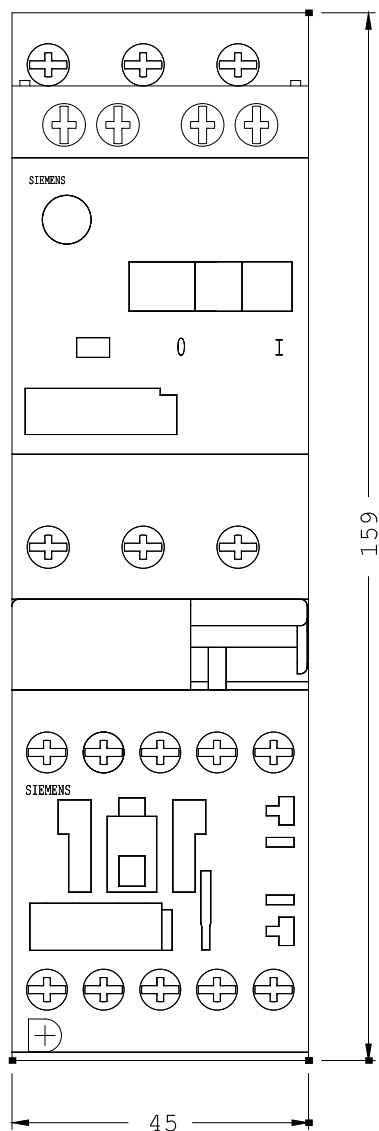
<http://www.siemens.com/industrial-controls/catalogs>

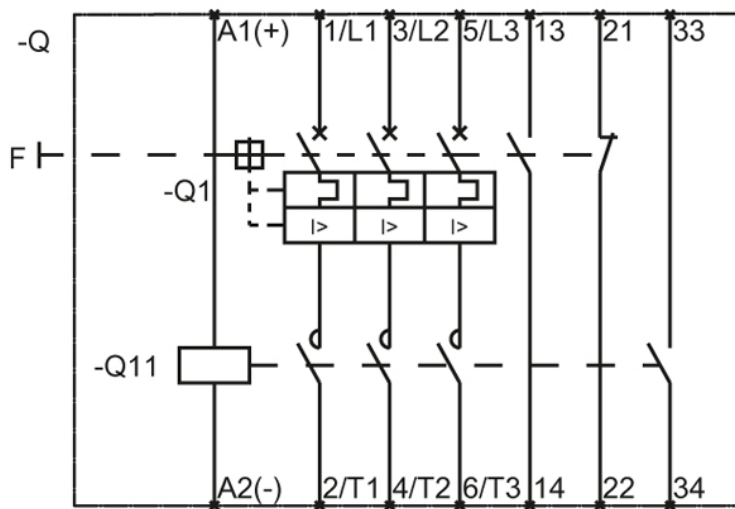
##### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

##### Cax online generator

<http://www.siemens.com/cax>





last change:

Jul 28, 2014