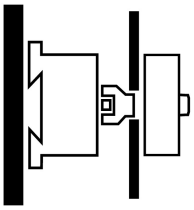
# DC switch-disconnector, 2 pole, 160 A, Without rotary handle and drive shaft, rear mounting

**Part no.** DDC-160/2-SK
**Article no.** 6098934

## Delivery program

| | | | |
|---|---|---|---|
| Product range | | | DC switch-disconnector<br>Main switch<br>maintenance switch |
| Part group reference | | | DDC |
| Stop Function | | | optional |
| | | | Without rotary handle and drive shaft |
| Information about equipment supplied | | | auxiliary contact fitted by user. |
| Number of poles | | | 2 pole |
| **Auxiliary contacts** | | | |
| | | N/O | 2 |
| | | N/C | 2 |
| Degree of Protection | | | IP20 |
| Design | | | rear mounting |
| | | |  |
| Rated uninterrupted current | $I_u$ | A | 160 |

## Technical data

### General

| | | | |
|---|---|---|---|
| Standards | | | IEC/EN 60947, VDE 0660, IEC/EN 60204,<br>Switch-disconnector according to IEC/EN 60947-3 |
| Certifications | | | CE, RoHs |
| Ambient temperature | | | |
| Storage | ϑ | °C | -40 - +80 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated impulse withstand voltage | $U_{imp}$ | kV | 8 |
| Rated insulation voltage | $U_i$ | V | 1200 |
| Mounting position | | | As required |
| Protection against direct contact when actuated from front (EN 50274) | | | Finger and back-of-hand proof |

### Contacts

| | | | |
|---|---|---|---|
| Mechanical variables | | | |
| Number of poles | | | 2 pole |
| Auxiliary contacts | | | |
| | | N/O | 2 |
| | | N/C | 2 |
| Electrical characteristics | | | |
| Rated uninterrupted current | $I_u$ | A | 160 |
| Note on rated uninterrupted current $I_u$ | | | Rated uninterrupted current Iu is specified for max. cross-section. |
| Rated short-time withstand current (1 s current) | $I_{cw}$ | $A_{rms}$ | 4000 |
| Note on rated short-time withstand current Icw | | | Current for a time of 1 second |
| Rated short-circuit making capacity | $I_{cm}$ | $kA_{eff}$ | 6 |

### Switching capacity

| | | | |
|---|---|---|---|
| Lifespan, mechanical | Operations | | 10000 |
| DC | | | |
| Utilization category DC21B | | | |
| Rated operational current switch | | | |
| 480 V | $I_e$ | A | 160 |
| 600 V | $I_e$ | A | 160 |
| 1000 V | $I_e$ | A | 160 |

### Terminal capacities

| | | | |
|---|---|---|---|
| Solid | | $mm^2$ | 1 x 120 |
| Flat conductor connection with busbars | | $mm^2$ | 1 x (30 x 3)<br>2 x (20 x 3) |
| Terminal screw | | | M8 |
| Max. tightening torque | | Nm | 14 |

## Technical data ETIM 6.0

| | | | |
|---|---|---|---|
| Low-voltage industrial components (EG000017) / Switch disconnector (EC000216) | | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss8.1-27-37-14-03 [AKF060010]) | | | |
| Version as main switch | | | Yes |
| Version as maintenance-/service switch | | | Yes |
| Version as safety switch | | | No |
| Version as emergency stop installation | | | No |
| Version as reversing switch | | | No |
| Max. rated operation voltage Ue AC | | V | 0 |
| Rated operating voltage | | V | 1000 - 1000 |
| Rated permanent current Iu | | A | 160 |
| Rated permanent current at AC-21, 400 V | | A | 0 |
| Rated operation power at AC-3, 400 V | | kW | 0 |
| Rated short-time withstand current Icw | | kA | 4 |
| Rated operation power at AC-23, 400 V | | kW | 0 |
| Switching power at 400 V | | kW | 0 |
| Conditioned rated short-circuit current Iq | | kA | 0 |
| Number of poles | | | 2 |
| Number of auxiliary contacts as normally closed contact | | | 0 |
| Number of auxiliary contacts as normally open contact | | | 0 |
| Number of auxiliary contacts as change-over contact | | | 0 |
| Motor drive optional | | | No |
| Motor drive integrated | | | No |
| Voltage release optional | | | No |
| Device construction | | | Built-in device fixed built-in technique |
| Suitable for ground mounting | | | Yes |
| Suitable for front mounting 4-hole | | | No |
| Suitable for front mounting center | | | No |
| Suitable for distribution board installation | | | No |
| Suitable for intermediate mounting | | | No |
| Colour control element | | | - |
| Type of control element | | | None |
| Interlockable | | | No |
| Type of electrical connection of main circuit | | | Screw connection |
| Degree of protection (IP), front side | | | IP20 |

## Additional product information (links)

| | |
|---|---|
| **IL008021ZU Switch disconnector DDC, DC-Switch (Box 1)** | |
| IL008021ZU Switch disconnector DDC, DC-Switch (Box 1) | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL008022ZU2015_12.pdf |

| | |
|---|---|
| Technical overview cam switch, switch-disconnector | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2 |
| System overview cam switch T | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.4 |
| System overview switch-disconnector P | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.6 |
| Key to part numbers Cam switch | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8 |
| Key to part numbers Switch-disconnector | http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8 |
| Switches for ATEX | http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html |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