

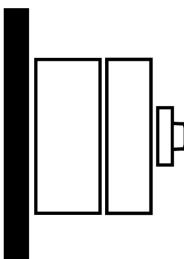


Switch-disconnector, 4 pole + 2 N/O + 2 N/C, 2500 A, With gray rotary handle and drive shaft, surface mounting

Part no. DMV-2500/4/M6/2HI11/K6-PG
Article no. 6093242

Delivery program

| | | | |
|---|-------|-----|---|
| Product range | | | Switch-disconnector Main switch maintenance switch |
| Part group reference | | | DMV With gray rotary handle and drive shaft |
| Notes | | | visible contacts |
| Information about equipment supplied | | | including connection materials |
| Number of poles | | | 4 pole |
| Auxiliary contacts | | | |
|  | | N/O | 2 |
|  | | N/C | 2 |
| Degree of Protection | | | IP00 IP20 with terminal cover |
| Design | | | surface mounting |
| | | |  |
| Motor rating AC-23A, 50 - 60 Hz | | | |
| 400 V | P | kW | 1400 |
| Rated uninterrupted current | I_u | A | 2500 |

Technical data

General

| | | | |
|---|-----------|----|--|
| Standards | | | IEC/EN 60947, VDE 0660, IEC/EN 60204, Switch-disconnector according to IEC/EN 60947-3 |
| Certifications | | | CE, RoHS, KEMA, GOST-R, Lloyds |
| Ambient temperature | | | |
| Operation | θ | °C | -25 - +55 |
| Storage | θ | °C | -30 - +80 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated impulse withstand voltage | U_{imp} | kV | 12 |
| Rated insulation voltage | U_i | V | 1000 |
| 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 | | | 4 pole |
| Auxiliary contacts | | | |
| | | N/O | 2 |
| | | N/C | 2 |
| Electrical characteristics | | | |

| | | | |
|---|----------|-----------|--|
| Rated operational voltage | U_e | V AC | 690 |
| Rated uninterrupted current | I_u | A | 2500 |
| Note on rated uninterrupted current I_u | | | Rated uninterrupted current I_u is specified for max. cross-section. |
| Rated short-time withstand current (1 s current) | I_{cw} | A_{rms} | 65000 |
| Note on rated short-time withstand current I_{cw} | | | Current for a time of 1 second |

Switching capacity

| | | | |
|---|------------|----|-------|
| Rated breaking capacity $\cos \varphi$ to IEC 60947-3 | | A | |
| 400/415 V | | A | 10000 |
| 500 V | | A | 7272 |
| 690 V | | A | 5040 |
| Safe isolation to EN 61140 | | | |
| Current heat loss per contact at I_e | | W | 68.5 |
| Lifespan, mechanical | Operations | | 5000 |
| AC | | | |
| AC-21A | | | |
| Rated operational current switch | | | |
| 400 V 415 V | I_e | A | 2500 |
| 500 V | I_e | A | 2500 |
| 690 V | I_e | A | 2500 |
| AC-23A | | | |
| Motor rating AC-23A, 50 - 60 Hz | P | kW | |
| 400 V 415 V | P | kW | 1400 |

Terminal capacities

| | | | |
|--|--|---------------|----------------|
| Flat conductor connection with busbars | | mm^2 | 3000 |
| Terminal screw | | | M12 x 50 (2 x) |
| Max. tightening torque | | Nm | 40 |

Technical safety parameters:

| | | | |
|-------|--|--|---|
| Notes | | | B10 _d values as per EN ISO 13849-1, table C1 |
|-------|--|--|---|

Design verification as per IEC/EN 61439

| | | | |
|--|--|----|-----|
| Technical data for design verification | | | |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 55 |

Technical data ETIM 6.0

| | | | |
|--|--|----|-----------|
| Low-voltage industrial components (EG000017) / Switch disconnecter (EC000216) | | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnecter (ecl@ss8.1-27-37-14-03 [AKF060010]) | | | |
| Version as main switch | | | Yes |
| Version as maintenance-/service switch | | | No |
| Version as safety switch | | | No |
| Version as emergency stop installation | | | No |
| Version as reversing switch | | | No |
| Max. rated operation voltage U_e AC | | V | 690 |
| Rated operating voltage | | V | 690 - 690 |
| Rated permanent current I_u | | A | 2500 |
| Rated permanent current at AC-21, 400 V | | A | 2500 |
| Rated operation power at AC-3, 400 V | | kW | 0 |
| Rated short-time withstand current I_{cw} | | kA | 65 |
| Rated operation power at AC-23, 400 V | | kW | 0 |
| Switching power at 400 V | | kW | 0 |
| Conditioned rated short-circuit current I_q | | kA | 0 |
| Number of poles | | | 4 |
| Number of auxiliary contacts as normally closed contact | | | 1 |
| Number of auxiliary contacts as normally open contact | | | 1 |

