

Main switch Rear mounting Metal shaft



Powering Business Worldwide™

Part no. P1-32/M4/K1-PG/N
Article no. 172779
Catalog No. P1-32/M4/K1-PG/N

Delivery programme

Product range
 Basic function

Part group reference
 Emergency STOP

Contacts

Main circuits
 Poles



Auxiliary contacts



Locking facility
 Protection type
 Design

Contact sequence

Front plate no.

Switch-disconnectors T, P
 Main switches
 Maintenance switches
 Manual override switches
 P1
 without emergency switching off/
 emergency stop function
 With black rotary handle and locking
 ring
 without auxiliary contacts
 Neutral pole
 auxiliary contact fitted by user
 3 + N

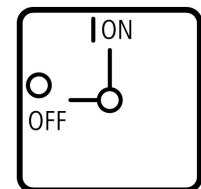
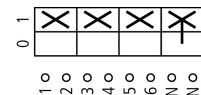
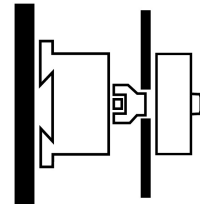
N/O

0

B

0

Lockable in the 0 (Off) position
 Front IP65
 main switches rear mounting



FS 908

Bemessungsbetriebsleistung AC-23A,
 50 - 60 Hz
 400 V

Rated uninterrupted current

P
 I_u

kW
 A

15
 32

General

Standards

Climatic proofing

Ambient temperature

Open

Enclosed

Overvoltage category/pollution degree

Rated impulse withstand voltage

Mechanical shock resistance

Mounting position

Protection against direct contact when actuated from front (EN 50274)

| | | |
|-----------|---------|--|
| | | IEC/EN 60947, VDE 0660, IEC/EN 60204, Switch-disconnector according to IEC/EN 60947-3 |
| | | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| | °C | |
| | °C | -25 - +50 |
| | °C | -25 - +40 |
| | | III/3 |
| U_{imp} | V AC | 6000 |
| | g | 15 |
| | | As required |
| | | Finger and back-of-hand proof |

Contacts

Mechanical variables

Main circuits
Poles
Auxiliary contacts

Electrical characteristics

Rated operational voltage

Rated uninterrupted current

Note on rated uninterrupted current I_u

Load rating with intermittent operation, class 12

AB 25 % DF

AB 40 % DF

AB 60 % DF

Short-circuit rating

Fuse

Rated short-time withstand current (1 s current)

Note on rated short-time withstand current I_{cw}

Switching capacity

Bemessungsausschaltvermögen $\cos \varphi$ nach IEC 60947-3

230 V

400/415 V

500 V

690 V

Safe isolation to EN 61140

between the contacts

Current heat loss per contact at I_e

Lifespan, mechanical

Maximum operating frequency

AC

AC-3

Rating, motor load switch

220 V 230 V

400 V 415 V

500 V

690 V

Bemessungsbetriebsstrom Motorschalter

230 V

400V 415 V

500 V

690 V

AC-21A

Bemessungsbetriebsstrom Lastschalter

440 V

AC-23A

Bemessungsbetriebsleistung AC-23A, 50 - 60 Hz

230 V

400 V 415 V

500 V

690 V

Bemessungsbetriebsstrom Motorschalter

| | | |
|----------|----------------|--|
| | | 3 + N |
| | N/O | 0 |
| | B | 0 |
| U_e | V AC | 690 |
| I_u | A | 32 |
| | | Rated uninterrupted current I_u is specified for max. cross-section. |
| | $x I_e$ | 2 |
| | $x I_e$ | 1.6 |
| | $x I_e$ | 1.3 |
| | A gG/ gL | 50 |
| I_{cw} | A_{rms} | 640 |
| | | Current for a time of 1 second |

| | | |
|--------------|----------|-------|
| | A | |
| | A | 260 |
| | A | 300 |
| | A | 290 |
| | A | 250 |
| | V AC | 440 |
| | W | 1.8 |
| Operations | $x 10^6$ | > 0.3 |
| Operations/h | | 1200 |
| | | |
| P | kW | |
| P | kW | 7.5 |
| P | kW | 13 |
| P | kW | 18.5 |
| P | kW | 15 |
| | | |
| I_e | A | 26.4 |
| I_e | A | 26.4 |
| I_e | A | 23.4 |
| I_e | A | 14.7 |
| | | |
| I_e | A | 32 |
| | | |
| P | kW | |
| P | kW | 8.5 |
| P | kW | 15 |
| P | kW | 18.5 |
| P | kW | 18.5 |

| | | | |
|---------------------------------------|-------|----------|----|
| 230 V | I_e | A | 32 |
| DC | | | |
| DC-1, Load-break switches L/R = 1 ms | | | |
| Rated operational current | I_e | A | 32 |
| Voltage per contact pair in series | | V | 60 |
| DC-23A, motor load switch L/R = 15 ms | | | |
| 24 V | | | |
| Rated operational current | I_e | A | 25 |
| Contacts | | Quantity | 1 |
| 48 V | | | |
| Rated operational current | I_e | A | 25 |
| Contacts | | Quantity | 2 |
| 60 V | | | |
| Rated operational current | I_e | A | 25 |
| Contacts | | Quantity | 3 |
| 120 V | | | |
| Rated operational current | I_e | A | 12 |
| Contacts | | Quantity | 3 |

Terminal capacities

Flexible with ferrules to DIN 46228

Flexible with ferrule

Terminal screw

Max. tightening torque

| | | |
|--|---------------|----------------------------|
| | mm^2 | |
| | mm^2 | 1 x (1 - 4) 2 x (1 - 4) |
| | | M4 |
| | Nm | 1.6 |

Additional product information (links)

| |
|---|
| http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=4.87 |
| http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2 |
| http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.4 |
| http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.6 |
| http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8 |
| http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8 |