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216505

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216505

Eaton Moeller® series M22 Assembly of contact element with screw terminals and fixing adapter, 1 N/O, 1 NC
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216532

Eaton Moeller® series M22 Housing, Pushbutton actuators, Enclosure, momentary, 3 NC, 3 N/O, Screw connection, Number of locations 3, Grey, inscribed, Bezel: titanium

- [228026](#)

228026

Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, Key withdrawable: I, II, Bezel: titanium

- [105227](#)

105227

Eaton Moeller® series M22 Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, White lens, black, black, inscribed, Bezel: titanium, arrow left/right

- [178568](#)

178568

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, with metal shaft, 4 positions, Bezel: titanium, momentary, in every position

- [178569](#)

178569

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, with metal shaft, 4 positions, Bezel: black, momentary, in every position

- [199374](#)

199374

Eaton Moeller® series M22 M22-PVT60P-GVP

- [184957](#)

184957

Eaton Moeller® series M22 Joystick, momentary, horizontal, adapter, 1 N/O

- [262522](#)

262522

Eaton Moeller® series M22 Key-operated actuator, maintained, Select from 2 or 3 positions, MS1–MS20: Key withdrawable: Selectable, Bezel: black

- [121470](#)

121470

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palm-tree shape, 45 mm, Non-illuminated, Key-release, selectable, Red, yellow, RAL 3000, Not suitable for master key systems

- [289242](#)

289242

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, With plastic shaft, 2 positions, Bezel: black, maintained, Vertical

- [132608](#)

132608

Eaton Moeller® series M22 Illuminated selector switch actuator, RMQ-Titan, maintained, 3 positions, 1 NC, red, Blister pack for hanging

- [111773](#)

111773

Eaton Moeller® series M22 Key-operated actuator, maintained, 3 positions, MS2, Key withdrawable: I, 0, II, Bezel: titanium

- [178570](#)

178570

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, with metal shaft, 2 positions, Bezel: titanium, momentary, Horizontal

- [111785](#)

111785

Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, MS5, Key withdrawable: 0, I, Bezel: titanium

- [111781](#)

111781

Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, MS3, Key withdrawable: 0, I, Bezel: titanium

- [111790](#)

111790

Eaton Moeller® series M22 Key-operated actuator, momentary, 2 positions, MS2, Key withdrawable: 0, Bezel: titanium

- [121460](#)

121460

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palm-tree shape, 45 mm, Illuminated with LED element, Turn-to-release function, Red, yellow, RAL 3000

- [289199](#)

289199

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, With plastic shaft, 2 positions, Bezel: titanium, maintained, Horizontal

- [226839](#)

226839

Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 3 positions, inscribed, Bezel: black, Auto 0 Man.

- [216509](#)

216509

Eaton Moeller® series M22 Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, 1 NC, 1 N/O, White lens, LED element, 85 - 264 V AC, green, red, inscribed, Bezel: titanium

- [216767](#)

216767

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom green, Without button plate, Bezel: black

- [216860](#)

216860

Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 2 positions, inscribed, Bezel: black, AUTO HAND

- [216763](#)

216763

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom red, Without button plate, Without, Bezel: titanium

- [216664](#)

216664

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, maintained, black, Blank, Bezel: black

- [216658](#)

216658

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, green, inscribed, Bezel: black

- [199370](#)

199370

Eaton Moeller® series M22 M22S-PV-GVP

- [216661](#)

216661

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, White, inscribed, Bezel: titanium

- [216756](#)

216756

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom black, black, inscribed, Bezel: black

- [216750](#)

216750

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom yellow, yellow, Blank, Bezel: black

- [216884](#)

216884

Eaton Moeller® series M22 Key-operated actuator, momentary, 2 positions, MS1–MS20, Key withdrawable: 0, Bezel: black

- [216864](#)

216864

Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 3 positions, inscribed, Bezel: black

- [229095](#)

229095

Eaton Moeller® series M22 Key-operated actuator, maintained, 3 positions: Key withdrawable: Selectable, Bezel: black

- [216674](#)

216674

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, maintained, Blue, Blank, Bezel: black

- [216681](#)

216681

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, maintained, White, inscribed, Bezel: titanium

- [216754](#)

216754

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom green, green, inscribed, Bezel: black

- [216885](#)

216885

Eaton Moeller® series M22 Key-operated actuator, momentary, 2 positions 0, Bezel: titanium, Suitable for master key systems

- [216886](#)

216886

Eaton Moeller® series M22 Key-operated actuator, momentary, 2 positions 0, Bezel: black, Suitable for master key systems

- [216875](#)

216875

Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With thumb-grip, maintained, 2 positions (V position), Bezel: black

- [216861](#)

216861

Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, momentary, 3 positions, inscribed, Bezel: titanium

- [271499](#)

271499
Eaton Moeller® series M22 HALT/STOP-Button, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Turn-to-release function, Black, yellow, RAL 9005
- [216891](#)

216891
Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, MS1–MS20, Key withdrawable: 0, I, Bezel: black
- [225528](#)

225528
Eaton Moeller® series M22 HALT/STOP-Button, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Pull-to-release function, Black, yellow, RAL 9005
- [216855](#)

216855
Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 2 positions, inscribed, Bezel: titanium
- [216720](#)

216720
Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroom red, red, inscribed, Bezel: titanium
- [216863](#)

216863
Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 3 positions, inscribed, Bezel: titanium
- [216713](#)

216713
Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroom black, black, Blank, Bezel: black
- [216669](#)

216669
Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, maintained, green, Blank, Bezel: titanium
- [216866](#)

216866
Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With thumb-grip, momentary, 2 positions, Bezel: black
- [216650](#)

216650
Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, Blue, Blank, Bezel: black
- [216643](#)

216643

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, green, Blank, Bezel: titanium

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Eaton Moeller® series M22 Housing, Pushbutton actuators, Enclosure, momentary, 3 NC, 3 N/O, Screw connection, Number of locations 3, Grey, inscribed, Bezel: titanium

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228026

Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, Key withdrawable: I, II, Bezel: titanium

- [105227](#)

105227

Eaton Moeller® series M22 Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, White lens, black, black, inscribed, Bezel: titanium, arrow left/right

- [178568](#)

178568

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, with metal shaft, 4 positions, Bezel: titanium, momentary, in every position

- [178569](#)

178569

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, with metal shaft, 4 positions, Bezel: black, momentary, in every position

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Eaton Moeller® series M22 M22-PVT60P-GVP

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184957

Eaton Moeller® series M22 Joystick, momentary, horizontal, adapter, 1 N/O

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262522

Eaton Moeller® series M22 Key-operated actuator, maintained, Select from 2 or 3 positions, MS1–MS20: Key withdrawable: Selectable, Bezel: black

- [121470](#)

121470

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palm-tree shape, 45 mm, Non-illuminated, Key-release, selectable, Red, yellow, RAL 3000, Not suitable for master key systems

- [289242](#)

289242

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, With plastic shaft, 2 positions, Bezel: black, maintained, Vertical

- [132608](#)

132608

Eaton Moeller® series M22 Illuminated selector switch actuator, RMQ-Titan, maintained, 3 positions, 1 NC, red, Blister pack for hanging

- [111773](#)

111773

Eaton Moeller® series M22 Key-operated actuator, maintained, 3 positions, MS2, Key withdrawable: I, 0, II, Bezel: titanium

- [178570](#)

178570

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, with metal shaft, 2 positions, Bezel: titanium, momentary, Horizontal

- [111785](#)

111785

Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, MS5, Key withdrawable: 0, I, Bezel: titanium

- [111781](#)

111781

Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, MS3, Key withdrawable: 0, I, Bezel: titanium

- [111790](#)

111790

Eaton Moeller® series M22 Key-operated actuator, momentary, 2 positions, MS2, Key withdrawable: 0, Bezel: titanium

- [121460](#)

121460

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palm-tree shape, 45 mm, Illuminated with LED element, Turn-to-release function, Red, yellow, RAL 3000

- [289199](#)

289199

Eaton Moeller® series M22 Joystick, with one operating point per operating direction, With plastic shaft, 2 positions, Bezel: titanium, maintained, Horizontal

- [226839](#)

226839
Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 3 positions, inscribed, Bezel: black, Auto 0 Man.
- [216509](#)

216509
Eaton Moeller® series M22 Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, 1 NC, 1 N/O, White lens, LED element, 85 - 264 V AC, green, red, inscribed, Bezel: titanium
- [216767](#)

216767
Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom green, Without button plate, Bezel: black
- [216860](#)

216860
Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 2 positions, inscribed, Bezel: black, AUTO HAND
- [216763](#)

216763
Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom red, Without button plate, Without, Bezel: titanium
- [216664](#)

216664
Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, maintained, black, Blank, Bezel: black
- [216658](#)

216658
Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, green, inscribed, Bezel: black
- [199370](#)

199370
Eaton Moeller® series M22 M22S-PV-GVP
- [216661](#)

216661
Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, White, inscribed, Bezel: titanium
- [216756](#)

216756
Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom black, black, inscribed, Bezel: black

- [216750](#)

216750
Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom yellow, yellow, Blank, Bezel: black
- [216884](#)

216884
Eaton Moeller® series M22 Key-operated actuator, momentary, 2 positions, MS1–MS20, Key withdrawable: 0, Bezel: black
- [216864](#)

216864
Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 3 positions, inscribed, Bezel: black
- [229095](#)

229095
Eaton Moeller® series M22 Key-operated actuator, maintained, 3 positions: Key withdrawable: Selectable, Bezel: black
- [216674](#)

216674
Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, maintained, Blue, Blank, Bezel: black
- [216681](#)

216681
Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, maintained, White, inscribed, Bezel: titanium
- [216754](#)

216754
Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom green, green, inscribed, Bezel: black
- [216885](#)

216885
Eaton Moeller® series M22 Key-operated actuator, momentary, 2 positions 0, Bezel: titanium, Suitable for master key systems
- [216886](#)

216886
Eaton Moeller® series M22 Key-operated actuator, momentary, 2 positions 0, Bezel: black, Suitable for master key systems
- [216875](#)

216875
Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With thumb-grip, maintained, 2 positions (V position), Bezel: black
- [216861](#)

216861

Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, momentary, 3 positions, inscribed, Bezel: titanium

- [271499](#)

271499

Eaton Moeller® series M22 HALT/STOP-Button, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Turn-to-release function, Black, yellow, RAL 9005

- [216891](#)

216891

Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, MS1–MS20, Key withdrawable: 0, I, Bezel: black

- [225528](#)

225528

Eaton Moeller® series M22 HALT/STOP-Button, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Pull-to-release function, Black, yellow, RAL 9005

- [216855](#)

216855

Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 2 positions, inscribed, Bezel: titanium

- [216720](#)

216720

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroom red, red, inscribed, Bezel: titanium

- [216863](#)

216863

Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With rotary head, maintained, 3 positions, inscribed, Bezel: titanium

- [216713](#)

216713

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroom black, black, Blank, Bezel: black

- [216669](#)

216669

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, maintained, green, Blank, Bezel: titanium

- [216866](#)

216866

Eaton Moeller® series M22 Changeover switch, RMQ-Titan, With thumb-grip, momentary, 2 positions, Bezel: black

- [216650](#)

216650

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, Blue, Blank, Bezel: black

- [216643](#)

216643

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, green, Blank, Bezel: titanium

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General specifications

Product Name

Eaton Moeller® series M22 Accessory Contact element

Catalog Number

216505

Model Code

M22-AK11

EAN

4015082165055

Product Length/Depth

35 mm

Product Height

30 mm

Product Width

40 mm

Product Weight

0.023 kg

Certifications

UL 508

CSA-C22.2 No. 94-91

IEC/EN 60947-5

CSA-C22.2 No. 14-05

UL

UL File No.: E29184

UL Category Control No.: NKCR

CE

CSA File No.: 012528

CSA

IEC 60947-5-1

CSA Class No.: 3211-03

Catalog Notes

Contacts with safety function, by positive opening to IEC/EN 60947-5-1

Merkmale und Funktionen

Electric connection type

Screw connection

Allgemein

Degree of protection

IP20

Lifespan, electrical

1,000,000 Operations (at 230 V, AC-15, 1 A)

1,600,000 Operations (at 230 V, 0.5 A)

700,000 Operations (at 230 V, AC-15, 3 A)

1,200,000 Operations (at 12 V, DC-13, 2.8 A)

Lifespan, mechanical

5,000,000 Operations

Model

Top mounting

Model

Top mounting

Mounting method

Front fastening

Operating frequency

3600 Operations/h

Overvoltage category

III

Pollution degree

3

Rated impulse withstand voltage (U_{imp})

6000 V AC

Klimatische Umweltbedingungen

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

70 °C

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30

Damp heat, constant, to IEC 60068-2-78

Anschlussquerschnitte

Terminal capacity (flexible with ferrule)

0.5 - 1.5 mm²

Terminal capacity (solid)

0.75 - 2.5 mm²

Terminal capacity (stranded)

0.5 - 2.5 mm²

Bemessungswerte

Rated insulation voltage (U_i)

500 V

Rated operational current (I_e) at AC-15, 115 V

6 A

Rated operational current (I_e) at AC-15, 220 V, 230 V, 240 V

6 A

Rated operational current (I_e) at AC-15, 380 V, 400 V, 415 V

4 A

Rated operational current (I_e) at AC-15, 500 V

2 A

Rated operational current (I_e) at DC-13, 110 V

0.8 A

Rated operational current (I_e) at DC-13, 220 V, 230 V

0.3 A

Rated operational current (I_e) at DC-13, 24 V
3 A
Rated operational current (I_e) at DC-13, 42 V
1.7 A
Rated operational current (I_e) at DC-13, 60 V
1.2 A

Kurzschlussfestigkeit

Rated conditional short-circuit current (I_q)
1 kA
Short-circuit protection
PKZM0-10/FAZ-B6/1, Contacts, Max. short-circuit protective device, Fuseless
Short-circuit protection rating
Max. 10 A gG/gL, Fuse, Contacts

Kommunikation

Connection to SmartWire-DT
No
Connection type
Front fixing
Screw connection

Betätigungselement

Actuating force - max
10 N
Actuator travel and actuation force (DIN EN 60947-5-1)
4.8 mm
Knob travel
5.7 mm

Ansprechpartner

Control circuit reliability
1 failure per 10,000,000 switching operations (Statistically determined, at 24 VDC/5 mA)
1 failure per 5,000,000 switching operations (statistically determined, at 5 VDC/1 mA)
Force for positive opening - min
20 N
Number of contacts (change-over contacts)
0
Number of contacts (normally closed contacts)
1

Bauartnachweis

Heat dissipation capacity P_{diss}
0 W
Rated operational current for specified heat dissipation (I_n)
6 A
Static heat dissipation, non-current-dependent P_{vs}
0 W
10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects
Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

10.8 Connections for external conductors

Is the panel builder's responsibility.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Serial Number Verified :

Authenticated: ✓

The product is verified as being authentic; however, this does not guarantee the condition or fit for purpose of the product.

Brochures

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