



**216517**  
**M22-WRS/K11**

Overview

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Design verification as per IEC/EN 61439

Technical data ETIM 7.0

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## DELIVERY PROGRAM

Product range  
RMQ-Titan

Basic function  
Key-operated buttons

Mounting hole diameter [□]  
22.5 mm

Single unit/Complete unit  
Complete unit

maintained

**Function: [□ = spring-return]**

□ 60°

Connection type  
Screw connection

Not suitable for master key systems

2 positions

### Key withdrawable in position

0

1

Degree of Protection  
IP66

Front ring  
Bezel: titanium

Connection to SmartWire-DT  
no

### Contacts

NC = Normally closed  
1 NC

NO = Normally open  
1 NO

Notes  
 = safety function, by positive opening to IEC/EN  
60947-5-1

### Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1

[mm]  
4.8

Maximum travel [mm]  
5.7

Minimum force for positive opening [ N]

Contact sequence

### Instructions

Stay-put/spring-return function, can be changed with coding parts M22-XC-Y  
Key withdraw convertible with coding adapters M22-XC...

Information about equipment supplied  
With 1 key

## TECHNICAL DATA

### General

Standards  
IEC/EN 60947  
VDE 0660

Lifespan, mechanical [Operations]  
> 0.1 x 10<sup>6</sup>

Operating frequency [Operations/h]  
 100

Operating torque  
 0.5 Nm

Climatic proofing  
Damp heat, constant, to IEC 60068-2-78  
Damp heat, cyclic, to IEC 60068-2-30

Degree of Protection  
IP66

Ambient temperature  
Open  
-25 - +70 °C

Mounting position  
As required

Mechanical shock resistance  
30  
Shock duration 11 ms  
Sinusoidal  
according to IEC 60068-2-27 g

shipping classification  
DNV  
GL  
LR



## Contacts

Rated conditional short-circuit current [ $I_q$ ]  
1 kA

## DESIGN VERIFICATION AS PER IEC/EN 61439

### Technical data for design verification

Rated operational current for specified heat  
dissipation [ $I_n$ ]  
6 A

Heat dissipation per pole, current-dependent [ $P_{id}$ ]  
0.11 W

Equipment heat dissipation, current-dependent  
[ $P_{id}$ ]  
0 W

Static heat dissipation, non-current-dependent [ $P_{vs}$ ]  
0 W

Heat dissipation capacity [ $P_{diss}$ ]

0 W

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+70 °C

## IEC/EN 61439 design verification

10.2 Strength of materials and parts

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2 Strength of materials and parts

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts

10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects

Meets the product standard's requirements.

10.2 Strength of materials and parts

10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

10.2 Strength of materials and parts

10.2.5 Lifting

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

10.2 Strength of materials and parts

10.2.6 Mechanical impact

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

10.2 Strength of materials and parts

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 Insulation properties

##### 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

#### 10.9 Insulation properties

##### 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

#### 10.9 Insulation properties

##### 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.

## TECHNICAL DATA ETIM 7.0

Low-voltage industrial components (EG000017) / Selector switch, complete (EC001029)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Selector switch, complete unit (ec@ss10.0.1-27-37-12-43 [ACN984011])

Number of switch positions  
2

Type of control element  
Key

Suitable for illumination  
No

With light source  
No

Colour button  
Black

Hole diameter  
22 mm

Width opening  
0 mm

Height opening  
0 mm

Switching function latching  
Yes

Spring-return  
No

Degree of protection (IP)  
IP66

Degree of protection (NEMA)  
4X

Supply voltage  
0 - 0 V

Number of contacts as normally open contact  
1

Number of contacts as normally closed contact  
1

Number of contacts as change-over contact  
0

Type of electric connection  
Screw connection

With front ring  
Yes

Material front ring  
Plastic

Colour front ring  
Chrome

## APPROVALS

Product Standards  
IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05;  
CSA-C22.2 No. 94-91; CE marking



UL File No.  
E29184

UL Category Control No.  
NKCR

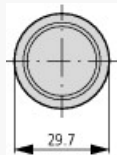
CSA File No.  
012528

CSA Class No.  
3211-03

North America Certification  
UL listed, CSA certified

Degree of Protection  
UL/CSA Type 3R, 4X, 12, 13

## DIMENSIONS





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