

### Emergency-stop key-release mushroom, 2 N/C, surface mounting

Part no. M22-PV/KC02/IY

Catalog No. 216524 Eaton Catalog No. M22-PV-KC02-IYQ

**EL-Nummer** 4355297

(Norway)

### **Delivery program**

Basic function    Housing Controlled unit   Controlled step pushbuthand/warragrancy-step huttons   Complete unit   Mush-cours-staped   Mush-cours-	Delivery program			
Single unit Complete unit  Design  Description  Descripti	Product range			RMQ-Titan
Design  Design  Design  Design  Approval  Description  Contaction type  Enclosure covers  Enclosure covers  Mushroom head  Enclosure covers  No - Normally dosed  No - Sormally flosed  Actuator travel and actuation force as per DIN EN 60947-5-1, Main man force for positive apening  Main of positive apening  No - Normally flosed  Actuator travel and actuation force as per DIN EN 60947-5-1, Minimum force for positive apening  No - Normally flosed  No - Normally flosed  No - Normally flosed  Actuator travel and actuation force as per DIN EN 60947-5-1, Minimum force for positive apening  Normally flosed  No - Normally flosed  Normal	Basic function			
Dismeter Dis	Single unit/Complete unit			Complete unit
Non-illuminated  Approval  Approval  Approval  Pull-to-release function  Full-to-release function  Screw commetcion type  Benefitien  Connection type  Red  Felloware covers  Wellow  Felloware covers  Pull-to-release function  Tamper-proof according to ISO 1889/EN 418  Felloware covers  Pull-to-release function  Tamper-proof according to ISO 1889/EN 418  Felloware covers  Pullow  Felloware covers  Vellow  According to ISO 1889/EN 418  Felloware covers  Vellow  Pullow  Felloware covers  Vellow  Pullow  Felloware covers  Vellow  According to ISO 1889/EN 418  Felloware covers  Vellow  Pullow  Felloware covers  Vellow  According to ISO 1889/EN 418  Felloware covers  Vellow  According to ISO 1889/EN 418  Felloware covers  Vellow  Felloware covers  Vellow  According to ISO 1889/EN 418  Felloware covers  Vellow  Felloware covers  Felloware covers  Vellow  Felloware covers  Felloware covers  Vellow  Felloware covers  Fellowar	Design			Mushroom-shaped
Enclosure covers  Enclosure covers  Mushroom head  Enclosure covers  Mushroom head  Enclosure covers  NC = Normally closed Notes  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.S.4.1  Masimum travel Minimum force for positive opening  N	Diameter	Ø	mm	38
Pull-to-release function  Connection type  Description  Muschroom head  Enclosure covers Degree of Protection  Enclosure covers Degree of Protection  Enclosure to North Wire-DT  Connection to Smart Wire-DT  Connection to Smart Wire-DT  Connection to Smart Wire-DT  Contacts NC = Normally closed  NC = Sarenally closed  NC = safety function, by positive opening to IEC/EN 60947-5-1  Makeimum travel  Minimum force for positive opening  N	Illumination			Non-illuminated
Connection type Description Colour  Mushroom head  Enclosure covers Degrae of Protection Contacts N/C = Normally closed Notes Notes Notes Actuator travel and actuation force as per DIN EN 60947-5-1 Maximum travel Maximum travel Minimum force for positive opening Minimum force for positive openin	Approval			Sicherheit geprüft tested safety
Tamper-proof according to ISO 13850/EN 418  Colour  Mushroom head  Enclosure covers Degree of Protection Connection to SmartWire-DT Contacts NC= Normally closed Notes Actuator travel and actuation force as per DIN EN 60947-5-1, K.S.4.1  Maximum travel Minimum force for positive opening Contacts sequence  mm  4.8  Actuator travel or positive opening Minimum force for positive opening Minimum force for positive opening  N				Pull-to-release function
Mushroom head  Mushroom head  Enclosure covers  Degree of Protection Connection to SmartWire-DT  Contacts  NCC = Normally closed  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  Maximum travel Minimum force for positive opening  Minimum force for positive opening  N  Description  Minimum force for positive opening  N  Description  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Actuator travel  Minimum force for positive opening  N  Description  Actuator travel  Actuator travel  Actuator travel  Actuator travel  Actuator travel  Minimum force for positive opening  Actuator travel  Act	Connection type			
Enclosure covers  Pellow Pello	Description			Tamper-proof according to ISO 13850/EN 418
Enclosure covers Degree of Protection Connection to SmartWire-DT Contacts N/C = Normally closed Notes 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 30  Contact sequence  Yellow Yellow Yellow  Yellow 1P66, IP69 no  4.8  A	Colour			
Degree of Protection Connection to SmartWire-DT  Contacts  N/C = Normally closed  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm  4.8  Maximum travel Minimum force for positive opening Minimum force for positive opening  Contact sequence  IP66, IP69  no  2 NC  = safety function, by positive opening to IEC/EN 60947-5-1  mm  4.8  3.0  Contact sequence	Mushroom head			Red
Degree of Protection Connection to SmartWire-DT  Contacts  N/C = Normally closed  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm  4.8  Maximum travel Minimum force for positive opening Minimum force for positive opening  Contact sequence  IP66, IP69  no  2 NC  = safety function, by positive opening to IEC/EN 60947-5-1  mm  4.8  3.0  Contact sequence	Enclosure covers			Yellow
Contacts  N/C = Normally closed  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm  4.8  Maximum travel  Minimum force for positive opening  Contact sequence  Montact sequence  Montact sequence  Actuator travel and actuation force as per DIN EN 60947-5-1,  Maximum travel  Maximum travel  Maximum travel  Minimum force for positive opening  N  30  Actuator travel and actuation force as per DIN EN 60947-5-1,  Minimum force for positive opening  N  30  Actuator travel  Maximum travel  Maximum travel  Minimum force for positive opening  N  30  Actuator travel  Maximum travel  Minimum force for positive opening  N  30  Actuator travel  Maximum travel  Minimum force for positive opening  N  Actuator travel and actuation force as per DIN EN 60947-5-1,  Maximum travel  Maximum travel  Minimum force for positive opening  N  30  Actuator travel  Maximum travel  Minimum force for positive opening  N  30  Actuator travel  Maximum travel  Minimum force for positive opening  N  Actuator travel  Maximum trave				
N/C = Normally closed  Notes  Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  mm  4.8  Maximum travel  Minimum force for positive opening  N  30  Contact sequence	Connection to SmartWire-DT			
N/C = Normally closed  Notes  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  Contact sequence  N  30  The sequence opening to IEC/EN 60947-5-1  The				
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				2 NC
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  Contact sequence  The provided HTML is a sequence of the positive opening opening of the positive opening opening of the positive opening opening opening of the positive opening				
Maximum travel  Minimum force for positive opening  N  30  Contact sequence  Lagrange State Sequence Sequence State Sequence Sequence State Sequence Sequenc	Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1			
Minimum force for positive opening  N  30  Contact sequence		mm		4.8
Contact sequence	Maximum travel	mm		5.7
12 11	Minimum force for positive opening	N		30
Front dimensions 35	Contact sequence			
	Front dimensions			35

## **Technical data**

#### General

Standards IEC/EN 60947

			VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.1
Operating frequency	Operations/h		≦ 600
Actuating force		n	≦ 50
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Degree of Protection			IP66, IP69
Ambient temperature			
Open		°C	-25 - +70
Mounting position			As required
Mechanical shock resistance		g	50 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27
Contacts			
Rated conditional short-circuit current	$I_q$	kA	1

## Design verification as per IEC/EN 61439

provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must	Technical data for design verification			
Equipment heat dissipation, current-dependent P <sub>vs</sub> W 0  Static heat dissipation, non-current-dependent P <sub>vs</sub> W 0  Heat dissipation capacity P <sub>diss</sub> W 0  Operating ambient temperature max. °C 25  Operating ambient temperature max. °C 70  IECEN 81439 design exertification  10.2 Strength of materials and parts  10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of thermal stability of enclosures 10.2.3 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2 Extrength of the entire switchgear needs to be evaluated. 10.2.7 Inscriptions 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and components 10.8 Does not apply, since the entire switchgear needs to be evaluated. 10.9 Internal electrical circuits and connections 10.9 Internal electrical circuits and components 10.9 Internal electrical circuits and connections 10.	Rated operational current for specified heat dissipation	In	Α	6
Static heat dissipation, non-current-dependent  Heat dissipation capacity  Paiss  W  0  Operating ambient temperature max.  Operating ambient temperature max.  10.2 Strength of materials and parts  10.2.2 Corrosion resistance  10.2.3.1 Verification of fresistance of insulating materials to abnormal heat  10.2.3.2 Verification of resistance of insulating materials to abnormal heat  10.2.3.2 Verification of resistance of insulating materials to abnormal heat  10.2.5. Lifting  10.2.6. Mechanical impact  10.2.7. Inscriptions  10.3. Degree of protection of ASSEMBLIES  10.4. Clearances and creepage distances  10.5. Protection against electric shock  10.5. Protection against electric shock  10.5. Inscriptions  10.5. Inscriptions  10.5. Protection of switching devices and components  10.5. Inscriptions  10.5. Protection against electric shock  10.5. Inscription of switching devices and components  10.5. Inscriptions  10.5. Protection against electric shock  10.5. Inscription of switching devices and components  10.5. Inscription of switch	Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0.11
Heat dissipation capacity  Operating ambient temperature max.  Operating ambient temperature max.  **C	Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Operating ambient temperature max.  "C -25  Operating ambient temperature max.  "C 70  "C 70  IEC/EN 61439 design verification  10.2 Strength of materials and parts  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects  10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of ASSEMBLIES  10.4 Recistances and creepage distances  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Incorporation of switching devices and components  10.9 Insulation properties  10.9.1 Protection against electric strength  10.9 Insulation properties  10.9 In panel builder's responsibility.  11.9 It be panel builder's responsibility.  12.1 Electromagnetic compatibility  13.1 Electromagnetic compatibility  14.1 Electromagnetic compatibility  15. It panel builder's responsibility.  15. The panel builder's responsibility.  16. The panel builder's responsibility.  17.	Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Operating ambient temperature max.  10.2 Strength of materials and parts  10.2 Strength of materials and parts  10.2 Strength of materials and parts  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects  10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of ASSEMBLIES  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9 Power-frequency electric strength  10.9 Insulation properties  10.9 Power-frequency electric strength  10.9 Insulation properties  10.9 Power-frequency electric strength  10.1 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.15 Electromagnetic compatibility  10.16 Incorporation distriction for with the panel builder's responsibility.  10.17 The panel builder's responsibility.  10.18 The panel builder's responsibility.  10.19 Insulation properties  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.15 The panel builder's responsibility.  11.15 The panel builder's responsibility.  12.16 The panel builder's responsibility.  13.17 The panel builder's responsibility.  14.18 The panel builder's responsibility.  15.19 The panel builder's responsibility.  16.19 The panel builder's responsibility.  17.10 The panel builder's responsibility.  18.10 The panel builder's responsibility.  19.11 Short-circuit rating	Heat dissipation capacity	P <sub>diss</sub>	W	0
IEC/RN 61433 design verification   10.2 Strength of materials and parts   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   10.2.3.3 Verification of resistance of insulating materials to abnormal heat   and fire due to internal electric effects   and fire due to internal electric effects   10.2.4 Resistance to ultra-violet (UV) radiation   Please enquire   Does not apply, since the entire switchgear needs to be evaluated.   10.2.7 Inscriptions   Does not apply, since the entire switchgear needs to be evaluated.   10.3 Degree of protection of ASEMBLIES   Does not apply, since the entire switchgear needs to be evaluated.   10.4 Clearances and creepage distances   Does not apply, since the entire switchgear needs to be evaluated.   10.4 Clearances and creepage distances   Does not apply, since the entire switchgear needs to be evaluated.   10.5 Protection against electric shock   Does not apply, since the entire switchgear needs to be evaluated.   10.5 Incorporation of switching devices and components   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.   10.8 Incorporation of switching devices and components   Does not apply, since the entire switchgear needs to be evaluated.   10.8 Incorporation of switching devices and components   Is the panel builder's responsibility.   Is the panel builder's responsibil	Operating ambient temperature max.		°C	-25
10.2 Strength of materials and parts  10.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  15 the panel builder's responsibility.  16 the panel builder's responsibility.  17 he specifications for the switchgear must observed.  18 the panel builder's responsibility. The specifications for the switchgear must observed.	Operating ambient temperature max.		°C	70
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and fire due to internal electric effects  10.2.4 Resistance to ultra-violet (UV) radiation  Please enquire  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 Insulation properties  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.  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility.  Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.2.3.2 Verification of resistance of insulating materials to normal heat			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  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.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  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.  10.9.1 Insulation properties  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.  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  The panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.				Meets the product standard's requirements.
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10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder is responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.2.7 Inscriptions			Meets the product standard's requirements.
10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility.  Is the panel builder is responsibility.  The panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility. The specifications for the switchgear must observed.	10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility.  Is the panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  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 observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.8 Connections for external conductors			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.  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 observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must	10.9 Insulation properties			
10.9.4 Testing of enclosures made of insulating material  Is the panel builder's responsibility.  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must	10.9.2 Power-frequency electric strength			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 observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must	10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must	10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must	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 switch gear must be observed. $\label{eq:constraint}$
	10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
10.13 Mechanical function  The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

### **Technical data ETIM 6.0**

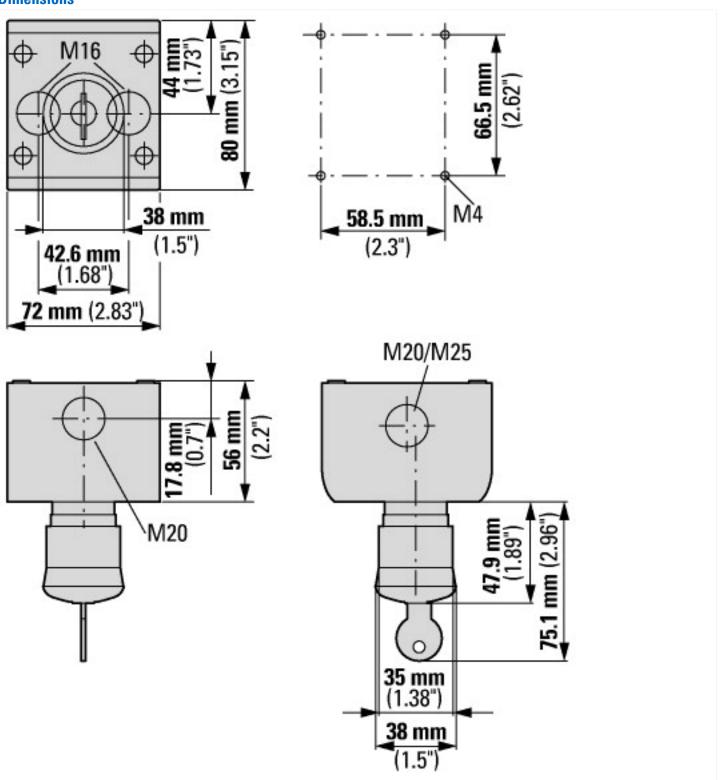
Low-voltage industrial components (EG000017) / Control circuit devices combination in enclosure (EC000225)

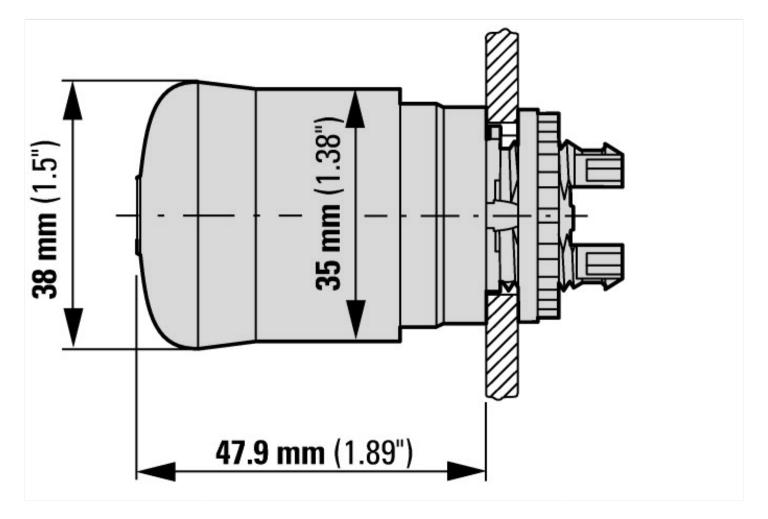
Electric engineering, automation, process control engineering / Low-vi (ecl@ss8.1-27-37-12-16 [AKF034011])	oltage switch technology	/ Comman	d and alarm device / Command and alarm device combination in housing
Number of command positions			1
Number of push buttons			1
Number of indicator lights			0
Number of key switches			0
Number of selector switches			0
Number of mushroom-shaped push-buttons			0
Suitable for emergency stop			Yes
Rated control supply voltage Us at AC 50HZ		V	115 - 500
Rated control supply voltage Us at AC 60HZ		V	115 - 500
Rated control supply voltage Us at DC		V	24 - 220
Colour housing cover			Yellow
Material housing			Plastic
Degree of protection (IP)			IP66
Number of contacts as normally open contact			0
Number of contacts as normally closed contact			2
Number of contacts as change-over contact			0

# 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**





## **Additional product information (links)**

IL04716005 RMQ-Titan: Emergency-stop buttons, emergency-stop buttons		
IL04716005 RMQ-Titan: Emergency-stop buttons, emergency-stop buttons	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716005Z2017_01.pdf	
IL04716003Z (AWA1160-1746, AWA116-662, IL04716003E) RMQ-Titan system		
IL04716003Z (AWA1160-1746, AWA116-662, IL04716003E) RMQ-Titan system	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716003Z2017_05.pdf	
DGUV Test Mark Customer Information	http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agb-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf	