DATASHEET - M22-WK



Changeover switch, RMQ-Titan, With thumb-grip, momentary, 2 positions, Bezel: titanium



Powering Business Worldwide



Part no. M22-WK Catalog No. 216865 Alternate Catalog M22-WKQ

No.

EL-Nummer 4355316

(Norway)

Delivery program

Product range Basic function Mounting hole diameter Single unit/Complete unit Design Function: Function: Degree of Protection Front ring Connection to SmartWire-DT Instructions AM0-Titan RM0-Titan RM0-Titan RM0-Titan RM0-Ti	Zonion, program			
Mounting hole diameter Single unit/Complete unit Design With thumb-grip momentary Function: Degree of Protection Degree of Protection Front ring Connection to SmartWire-DT mm 22.5 Single unit With thumb-grip momentary 2 positions IP66 Bezel: titanium yes with SWD-RMQ connections	Product range			RMQ-Titan
Single unit/Complete unit Design With thumb-grip momentary Function: Punction: 2 positions Degree of Protection Front ring Connection to SmartWire-DT Single unit With thumb-grip momentary 2 positions P66 Bezel: titanium yes with SWD-RMQ connections	Basic function			Selector switch actuators
Design With thumb-grip momentary Function: 2 positions Degree of Protection Front ring Connection to SmartWire-DT With thumb-grip momentary positions 2 positions Bezel: titanium yes with SWD-RMQ connections	Mounting hole diameter	Ø	mm	22.5
Function: Function:	Single unit/Complete unit			Single unit
Function:	Design			With thumb-grip
Degree of Protection Degree of Protection Front ring Connection to SmartWire-DT P66 Bezel: titanium yes with SWD-RMQ connections				momentary
2 positions Degree of Protection IP66 Front ring Bezel: titanium Connection to SmartWire-DT yes with SWD-RMQ connections	Function:			
Degree of Protection IP66 Front ring Bezel: titanium Connection to SmartWire-DT yes with SWD-RMQ connections				♪ _{40°}
Front ring Bezel: titanium Connection to SmartWire-DT yes with SWD-RMQ connections				2 positions
Connection to SmartWire-DT yes with SWD-RMQ connections	Degree of Protection			IP66
with SWD-RMQ connections	Front ring			Bezel: titanium
Instructions Stay-put/spring-return function, can be changed with coding parts M22-XC-Y	Connection to SmartWire-DT			
	Instructions			Stay-put/spring-return function, can be changed with coding parts M22-XC-Y

Technical data

General

Lifespan, mechanical Operating frequency Operating frequency Operating torque (screw terminals) Climatic proofing Degree of Protection Ambient temperature Open Storage Mounting position Mechanical shock resistance Open As required Mounting frequency Shipping classification Operating frequency Operatin				
Operations/ proque (screw terminals) Climatic proofing Degree of Protection Ambient temperature Open Open Storage Mounting position Mechanical shock resistance Shipping classification Operating frequency Operating torque (screw terminals) Open Storage Open Open Open Open Open Open Open Op	Standards			
Operating torque (screw terminals) Degree of Protection Degree of Protection Ambient temperature Open Open Open Open Open Open Open Op	Lifespan, mechanical	Operations	x 10 ⁶	> 0.1
Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Damp heat, cyc	Operating frequency	Operations/h		≦ 2000
Degree of Protection Ambient temperature Open Storage Mechanical shock resistance Mechanical shock resistance Shipping classification Damp heat, cyclic, to IEC 60068-2-30 IP66 IP66 PC -25 - +70 As required As required As required Mechanical shock resistance DNV GL LR LR LR TYPE APPROVED	Operating torque (screw terminals)		Nm	≦ 0.3
Ambient temperature Open °C -25 + 70 Storage °C -40 + 80 Mounting position Mechanical shock resistance Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 Shipping classification DNV GL LR Cermanischer Lloyd TYPE APPROVED	Climatic proofing			
Open °C -25 - +70 Storage °C -40 - + 80 Mounting position As required Mechanical shock resistance 9 30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 shipping classification DNV GL LR Type Approved Type Type Approved Type Type Approved Type T	Degree of Protection			IP66
Storage Mounting position Mechanical shock resistance Storage As required As required Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 Shipping classification Storage As required Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 ELR LR LR TYPE APPROVED	Ambient temperature			
Mounting position Mechanical shock resistance g 30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 Shipping classification DNV GL LR LR TYPE APPROVED	Open		°C	-25 - +70
Mechanical shock resistance g 30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 Shipping classification DNV GL LR LR TYPE APPROVED	Storage		°C	- 40 - + 80
Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 Shipping classification DNV GL LR LR TYPE APPROVED	Mounting position			As required
GL LR LICYCIS REGISTER TYPE APPROVED TYPE APPROVED	Mechanical shock resistance		g	Shock duration 11 ms Sinusoidal
Germanischer Lloyd APPROVED	shipping classification			GL
Indoor and protected outdoor installation				APPROVED
	Indoor and protected outdoor installation			

Design verification as per IEC/EN 6143	D	esign	verification	as	per	IEC/EN	61439
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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Please enquire
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 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.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			Not applicable.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:specification}$
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.

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222)

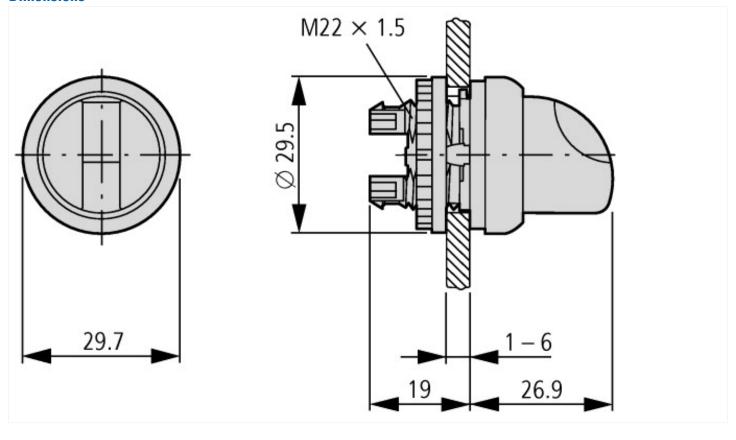
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss10.0.1-27-37-12-13 [AKF031014])

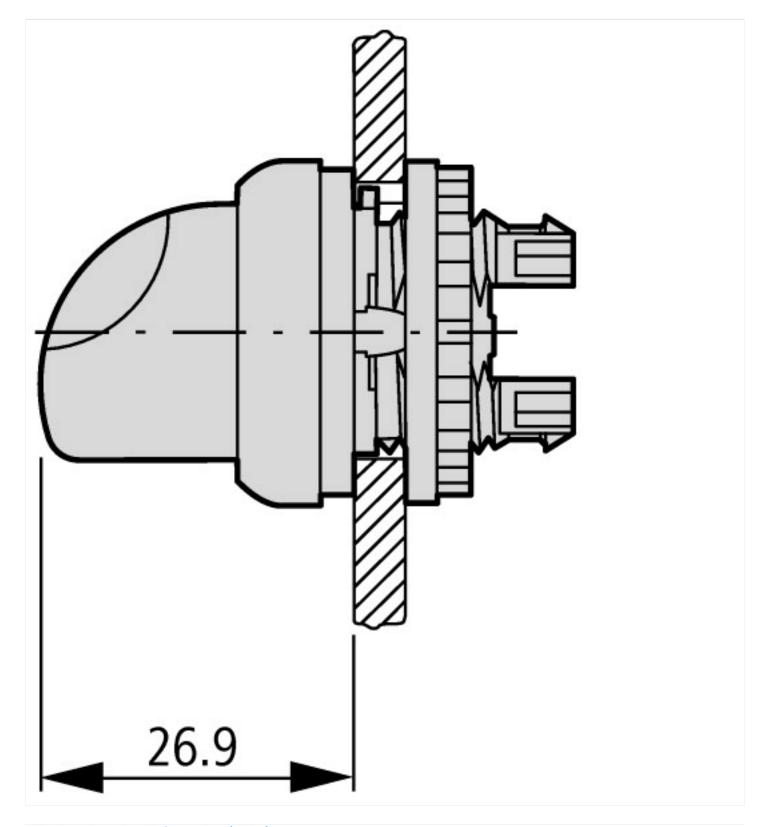
[AKF031014])		
Number of switch positions		2
Type of control element		Toggle
Suitable for illumination		No
Colour control element		Black
Colour indicator light cap		Other
Construction type lens		Round
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Switching function latching		No
Spring-return		Yes
With front ring		Yes
Material front ring		Plastic
Colour front ring		Other
Degree of protection (IP), front side		IP66

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)

IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan System

https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2020_09.pdf