Eaton 080167

Eaton Moeller® series RMQ16 Pushbutton, black ON, momentary

General specifications

PRODUCT NAME	Eaton Moeller® series RMQ16 Pushbutton
CATALOG NUMBER	080167
EAN	4015080801672
PRODUCT LENGTH/DEPTH	50 mm
PRODUCT HEIGHT	18 mm
PRODUCT WIDTH	18 mm
PRODUCT WEIGHT	0.007 kg
CERTIFICATIONS	VDE 0660 IEC/EN 60947
MODEL CODE	Q18D-121

Features & Functions

BEZEL COLOR	Black
BEZEL MATERIAL	Plastic
FEATURES	Labelled
FITTED WITH:	Front ring

General

DEGREE OF PROTECTION	IP65
DEGREE OF PROTECTION (FRONT SIDE)	NEMA 1 IP65
LIFESPAN, MECHANICAL	3,000,000 Operations
OPENING DIAMETER	16 mm
PRODUCT CATEGORY	RMQ16
TYPE	Pushbutton actuator

Ambient conditions, mechanical

MOUNTING POSITION	As required
SHOCK RESISTANCE	40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MIN	25 °C
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C

Actuator

ACTUATING FORCE	4 N
ACTUATOR COLOR	Black
ACTUATOR FUNCTION	Spring-return

Communication

CONNECTION TO SMARTWIRE-DT	No

Design verification

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	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	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.

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
	eaton-rmq-titan-brochure-br047004en-en-us.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004136.pdf
	DA-DC-00004158.pdf
DRAWINGS	eaton-operating-pushbutton-rmq16-dimensions.eps
ECAD MODEL	ETN.080167.edz
MCAD MODEL	DA-CS-druck_18
	DA-CD-druck_18

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	Not applicable.
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.

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	