Specifications







Eaton 185183

Eaton Moeller® series C22 Emergency stop/emergency switching off pushbutton, Palm-tree shape, 45 mm, Turn-to-release function, 2 NC, Cable (black) with M12A plug, 5 pole, 0.2 m

General specifications	
PRODUCT NAME	Eaton Moeller® series C22 Emergency stop/emergency switching off pushbutton
CATALOG NUMBER	185183
MODEL CODE	C22-PVT45P-K02-P10
EAN	4015081806683
PRODUCT LENGTH/DEPTH	297 mm
PRODUCT HEIGHT	45 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.066 kg
CERTIFICATIONS	CE VDE 0660 CSA IEC/EN 60947-5-5 UL CSA Class No.: 321103 CSA File No.: 165628 IEC/EN 60947-5-1 UL 508 CSA-C22.2 No. 14-10 CSA-C22.2 No. 94-91 CSA-C22.2 No. 94.2-07 CE marking UL File No.: E340491
CATALOG NOTES	Contacts with safety function, by positive opening to IEC/EN 60947-5-1

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Features & Functions

BASE COLOR	Yellow
DESIGN	Palm-tree shaped M12A Classical
FEATURES	Tamper-proof (according to ISO 13850, EN 418) Positive opening
ILLUMINATION	Non-illuminated
UNLOCKING METHOD	Turn-release

General

CABLE LENGTH	0.2 m
CABLE MATERIAL	PUR
CONNECTION TO SMARTWIRE-DT	No
CONNECTION TYPE	Cable (black) with M12A plug, 5 pole
DEGREE OF PROTECTION	NEMA 4X, 13 IP67/IP69K
LIFESPAN, MECHANICAL	1,000,000 Operations (AC operated)
MOUNTING METHOD	Built-in
MOUNTING POSITION	As required
OPENING DIAMETER	22.5 mm
OPERATING FREQUENCY	300 Operations/h
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	RMQ compact solution
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	800 V AC
SHOCK RESISTANCE	30 g, Mechanical, Shock duration 11 ms
TIGHTENING TORQUE	1 Nm, Plug 2 Nm, Threaded ring
TYPE	Controlled stop pushbutton/emergency-stop button

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MIN	-30 °C
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-30 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

Electrical rating

RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
RATED INSULATION VOLTAGE (UI)	60 V
RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	3 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 24 V	4 A
SHORT-CIRCUIT PROTECTION RATING	Max. 4 A gG/gL, Fuse, Contacts

Actuator

ACTUATING FORCE	50 N
ACTUATOR COLOR	Red
ACTUATOR DIAMETER	45 mm
ACTUATOR FUNCTION	Turn-to-release
ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	4.65 mm
KNOB TRAVEL	5.7 mm

Contacts

CONTROL CIRCUIT RELIABILITY	1 failure per 900,000 switching operations statistically determined, at 17 V DC/7 mA: N/C contact)
FORCE FOR POSITIVE OPENING - MIN	30 N
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	2
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
CONTROL TRAVEL DIAGRAM	eaton-operating-adapter-key-operated-actuator-contact-travel-diagram.eps
DECLARATIONS OF CONFORMITY	eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-eu250546en.pdf eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-uk251029en.pdf
DRAWINGS	eaton-operating-c22-dimensions.eps eaton-operating-button-symbol.eps eaton-operating-3d-drawing-005.eps
ECAD MODEL	ETN.C22-PVT45P-K02-P10
FLYERS	eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf
INSTALLATION INSTRUCTIONS	IL047010ZU.pdf
INSTALLATION VIDEOS	Eaton's RMQ compact solution pilot devices
MCAD MODEL	c22_pvt45p_m12a_5pol c22_pvt45p_m12a_5pol.stp
SALES NOTES	eaton-rmq-c22-compact-pilot-device-flyer-fl047013en-en-us.pdf eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf
WIRING DIAGRAMS	eaton-operating-wiring-diagram-006.eps

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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