22003008

Load break switch SIRCO M 3P 80A 690 VAC Rotary switch



SIRCO M are manually operated modular multipolar load break switches. They make and break under load conditions and provide safety isolation for any low voltage circuit, particularly for machine control circuits. Through the use of accessories, SIRCO M can be transformed into multipolar load break switches or 3/4 pole changeover switches. SIRCO M changeover switches provide on load changeover switching between two sources or two low voltage power circuits, as well as their safety isolation.

Strong points

- Total integration
- A wide range of accessories
- Upgradeability
- Compliance with major certifications and approvals

General characteristics

- Double break per pole.
- IP20 devices and accessories.
- Severe utilisation categories (AC-22 and AC-23).
- Mounting options: DIN-rail, panel or modular panel with 45 mm front cut out
- Positive break indication.
- Product can be mounted on the front of the panel using the “door mounting kit”.
- Padded contacts.

Compliance with standards

- IEC 60947-3
- UL 508, UL98
- GB/T 14048.3

Link to the reference

https://emea.socomec.com/en/reference/22003008

Technical Characteristics

Height [mm]	76
Width [mm]	52.5
Depth [mm]	64
Weight [kg]	0.31
Control operator	Direct : M00 / External : S00, S0, S01
Number of poles	3
Rated voltage	690 VAC - 400 VDC
Rated current [A]	80
Type	Rotary
Frame size	M2

ETIM - Technical features

Version as main switch	Yes
Version as maintenance-/service switch	Yes
Version as safety switch	Yes
Version as emergency stop installation	Yes
Version as reversing switch	No
Number of switches	1
Motor drive optional	No
Motor drive integrated	No
Voltage release optional	No
Device construction	Built-in device fixed built-in technique
Type of control element	Other
Interlockable	Yes
Type of electrical connection of main circuit	Screw connection

ETIM - Electrical characteristics

Max. rated operation voltage Ue AC [V]	690
Rated operating voltage [V]	400..690
Rated permanent current Iu [A]	80
Rated permanent current at AC-23, 400 V [A]	80
Rated permanent current at AC-21, 400 V [A]	80
Rated short-time withstand current Icw [kA]	1.5
Rated operation power at AC-23, 400 V [kW]	45
Switching power at 400 V [kW]	45
Conditioned rated short-circuit current Iq [kA]	50
Number of poles	3

ETIM - Mechanical characteristics

Suitable for floor mounting	No
Suitable for front mounting 4-hole	No
Suitable for front mounting centre	No
Suitable for distribution board installation	Yes
Suitable for intermediate mounting	Yes
Colour control element	Other
Degree of protection (IP), front side	IP20
Width [mm]	52.5
Height [mm]	76
Depth [mm]	64

Environmental impact

Carbon footprint - Lifecycle total [kg CO_2 eq.]	42
Carbon footprint - Manufacturing [A1-A3] [kg CO_2 eq.]	2
PEP Filename	SOCO-00095-V01.01-EN.pdf

Materials and substances

EU REACH	Does not contain SVHC
EU RoHS	Compliant

Classification

UNSPSC	39122233
ETIM Class	EC000216
IGCC	5290

Commerce

Description	Manual Load break switch SIRCO M frame M2 with 3 poles, 80A, 690 VAC-400 VDC rotary direct operation with handle type M00 or rotary external operation with handle type S00, S0, S01. Delivered without handle
Effective date	2006-04-13
Offer Life Cycle Code	40
Country of origin	CN

Logistics

GTIN/EAN	3596031825448
Customs number	8536508000
Price unit	PC
Weight of the packing unit [kg]	0.31
Length of the packing unit [m]	0.111
Width of the packing unit [m]	0.065
Depth of the packing unit [m]	0.083

Norms

Conformity to standards	IEC UL