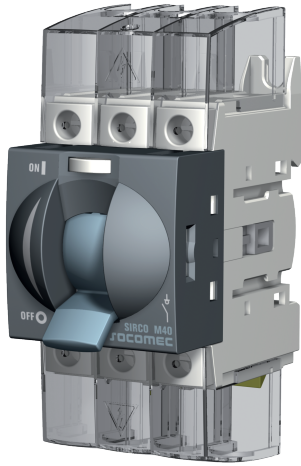


**22053008**

## Universal load break switch SIRCO M 3P 80A toggle switch



### Strong points

- Fully integrated
- A wide range of accessories
- Upgradeability
- Compliance with major certifications and approvals

### General characteristics

Easy integration with a large range of accessories  
High short circuit current rating, up to 65 kAIC  
Upgradeability  
Double positive break indication given by a position indicator located directly on the product  
Direct or external handle  
Compact footprint  
DIN rail or base mounting  
Up to 8 poles or 4 poles MTS (UL508) or 4 poles (UL98)  
Finger safe

### Compliance with standards

SIRCO M UL 508:  
UL 508 listed, Guide NLRV File E173959  
CSA C22.2§14, class 3211-05 File 112964  
IEC 60947-3

SIRCO M UL 98:  
UL98, Guide WHTY File E201138  
CSA 22.2#4, Class 4652-04 File 703166  
IEC 60947-3

### Link to the reference

<https://www.socomec.us/en-us/reference/22053008>

SIRCO M non-fusible disconnect switches are compact switches. They make and break under on and off-load conditions and provide safe isolation. These extremely durable switches are tested and approved for use in the most demanding applications. UL 98 disconnect switches are rated as a branch circuit disconnect switch. They can be used in a variety of applications for general use - range from 30 to 100 A. UL 508 disconnect switches are as a motor-rated disconnect or local disconnect. They can be used as motor controllers - range from 16 to 100 A.

#### ==== System =====

Fill rate E-Order Common	100
Fill rate E-Order Selection	100

#### Certificates and Declaration

Conformity to standard #1	UL508
Conformity to standard #2	CSA-C22.2 No.14
Conformity to standard #3	IEC 60947-3
Conformity to standard #4	Class 3211 05
Proposition 65 California	WARNING This product can expose you to chemicals including Formaldehyde, which is known to the State of California to cause cancer. For more information go to: <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

#### Standards

Conformity to standards	IEC UL
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#### Certificates and Declaration - Safety

UL file number	E173959
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#### Technical Characteristics

Control operator	Toggle
Number of poles	3
Rated voltage	600 VAC
Rated current [A]	80
Type	Toggle
Frame size	M2

#### Technical Characteristics - Connection terminals

Max. connection section / AWG	#1 or 2x#6
Min. connection section / AWG	#14 or 2x#12

#### Technical Characteristics - Environmental

Operating temperature	-4 ... +122°F / -20 ... +50°C
Storage temperature	-40 ... +158°F / -40 ... +70°C

#### Technical Characteristics - Max. motor HP

FLA 3 ph motor max. / 208 VAC	15/46.2
FLA 3 ph motor max. / 220-240 VAC	20/54
FLA 3 ph motor max. / 440-480 VAC	40/52
FLA 3 ph motor max. / 600 VAC	40/41

#### Technical Characteristics - Mechanical

Endurance (number of operating cycles)	10000
Operating torque [lbs.in/Nm]	8.9/1

#### Technical Characteristics - Short-circuit capacity

Auxiliary contacts / Electrical characteristics	A300
Max fuse rating [A]	100/60

Operation voltage 2 P - 3/4 P	600VAC
Short circuit rating at 600 VAC [kA]	50/65
Type of fuse	J
UL General use rating	80
<b>ETIM - Electrical characteristics</b>	
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
<b>ETIM - Mechanical characteristics</b>	
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	Black
Degree of protection (IP), front side	IP20
<b>ETIM - Technical features</b>	
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	Toggle
Interlockable	Yes
Type of electrical connection of main circuit	Screw connection
<b>Logistics</b>	
GTIN/EAN	3596031825530
Customs number	8536508090
Price unit	PC
Weight of the packing unit	0.323
Length of the packing unit	0.064
Width of the packing unit	0.082
Depth of the packing unit	0.112
<b>Product Details</b>	
Effective date	2006-04-13
Country of origin	CN
Discount Policy	1CA12
Discount Policy Label	SIRCO M1 to M3
Length of the product unit	0.076
Width of the product unit	0.0525

Depth of the product unit	0.064
Weight	0.323
<b>Classification</b>	
UNSPSC	39122233
ETIM Class	EC000216
IGCC	5290