

**22003001**

## Universal load break switch body SIRCO M 3P 20A



### 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

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.

### 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>

### Environmental Sustainability

PEP Filename	SOCO-00095-V01.01-EN.pdf
Climate change - Total - Cradle to Grave [kg CO <sub>2</sub> eq.]	6
Climate change - Total - Cradle to Gate [kg CO <sub>2</sub> eq.]	2

### Standards

Conformity to standards	IEC   UL
-------------------------	--------------

### Certificates and Declaration - Safety

UL file number	E173959
----------------	---------

### Technical Characteristics

Length of the product unit [mm]	68
Width of the product unit [mm]	45
Depth of the product unit [mm]	64
Weight [kg]	0.21
Control operator	Direct : M00 / External : S00, S0, S01
Number of poles	3
Rated voltage	600 VAC
Rated current [A]	20
Type	Rotary
Frame size	M1

### Technical Characteristics - Connection terminals

Max. connection section / AWG	#4 or 2x#12
Min. connection section / AWG	#14 or 2x#14

### 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 [Hp/A]	5/16.7
FLA 3 ph motor max. / 220-240 VAC [Hp/A]	5/15.2

FLA 3 ph motor max. / 440-480 VAC [Hp/A]	10/14
FLA 3 ph motor max. / 600 VAC [Hp/A]	15/17
<b>Technical Characteristics - Mechanical</b>	
Endurance (number of operating cycles)	10000
Operating torque [lbs.in/Nm]	7/0.8
<b>Technical Characteristics - Short-circuit capacity</b>	
Auxiliary contacts / Electrical characteristics	A300
Max fuse rating [A]	30
Operation voltage 2 P - 3/4 P	600VAC
Short circuit rating at 600 VAC [kA]	65
Type of fuse	J
UL General use rating [A]	20
<b>ETIM - Electrical characteristics</b>	
Max. rated operation voltage Ue AC [V]	690
Rated operating voltage [V]	400..690
Rated permanent current Iu [A]	20
Rated permanent current at AC-23,400 V [A]	20
Rated permanent current at AC-21,400 V [A]	20
Rated short-time withstand current Icw [kA]	1.26
Rated operation power at AC-23, 400 V [kW]	9
Switching power at 400 V [kW]	9
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	Other
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	Other
Interlockable	Yes
Type of electrical connection of main circuit	Screw connection
<b>Logistics</b>	

GTIN/EAN	3596031825387
Customs number	8536508000
Price unit	PC
Weight of the packing unit [kg]	0.21
Length of the packing unit [m]	0.105
Width of the packing unit [m]	0.06
Depth of the packing unit [m]	0.095
<b>Product Details</b>	
Effective date	2006-04-13
Offer Life Cycle Code	40
Country of origin	CN
<b>Classification</b>	
UNSPSC	39122233
ETIM Class	EC000216
IGCC	5290