

22003010

Universal load break switch body SIRCO M 3P 100A



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	UL98
Conformity to standard #2	CSA
Conformity to standard #3	Class 4651 02
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: www.P65Warnings.ca.gov

Environmental Sustainability

PEP Filename	SOCO-00095-V01.01-EN.pdf
Climate change - Total - Cradle to Grave [kg CO ₂ eq.]	74
Climate change - Total - Cradle to Gate [kg CO ₂ eq.]	4

SYSTEME

ReferenceLabel	22003010 SIRCO M3 3X100A
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Standards

Conformity to standards	IEC UL
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Certificates and Declaration - Safety

UL file number	E201138
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Technical Characteristics

Length of the product unit [mm]	260
Width of the product unit [mm]	562
Depth of the product unit [mm]	289
Weight [kg]	0.63
Control operator	Direct : M01 / External : S00, S0, S01
Number of poles	3
Rated voltage	600 VAC
Rated current [A]	100
Type	Rotary
Frame size	M3

Technical Characteristics - Connection terminals

Max. connection section / AWG	2/0 or 2x#1
Min. connection section / AWG	#10 or 2x#10

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. / 220-240 VAC [Hp/A]	20/54
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FLA 3 ph motor max. / 440-480 VAC [Hp/A]	50/65
FLA 3 ph motor max. / 600 VAC [Hp/A]	50/52
Technical Characteristics - Mechanical	
Endurance (number of operating cycles)	10000
Operating torque [lbs.in/Nm]	12.4/1.4
Technical Characteristics - Short-circuit capacity	
Auxiliary contacts / Electrical characteristics	A300
Max fuse rating [A]	100
Operation voltage 2 P - 3/4 P	600VAC
Short circuit rating at 600 VAC [kA]	25/100 (480VAC)
Type of fuse	J
UL General use rating [A]	100
ETIM - Electrical characteristics	
Max. rated operation voltage Ue AC [V]	690
Rated operating voltage [V]	400..690
Rated permanent current Iu [A]	100
Rated permanent current at AC-23,400 V [A]	100
Rated permanent current at AC-21,400 V [A]	100
Rated short-time withstand current Icw [kA]	2.75
Rated operation power at AC-23, 400 V [kW]	55
Switching power at 400 V [kW]	55
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
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
Logistics	

GTIN/EAN	3596031826247
Customs number	8536508000
Price unit	PC
Weight of the packing unit [kg]	0.63
Length of the packing unit [m]	0.16
Width of the packing unit [m]	0.085
Depth of the packing unit [m]	0.09
Product Details	
Effective date	2006-04-25
Offer Life Cycle Code	40
Country of origin	CN
Classification	
UNSPSC	39122233
ETIM Class	EC000216
IGCC	5290