

22143503

Load break switch SIRCO M1 3P 30A polycarbonate enclosure red handle

Strong points

- Flexible
- Robust and ergonomic handle
- High switching performance, simple wiring

General characteristics

Several enclosures: polycarbonate, polyester, stainless steel, painted steel
Full range of NEMA ratings: 1, 3, 3R, 12, 4, 4X
Reliable switching technology
Robust and ergonomic padlockable handle
Large range of accessories

Compliance with standards

UL 60947-4-1*
CSA C22.2 No.14
Guide NLRV
File E173959
*Meets the requirements of the standard UL 508.

UL 98
CSA-C22.2 No. 4
Guide WHTY
File E201138

Link to the reference

<https://www.socomec.us/en-us/reference/22143503>

Enclosed SIRCO M are non-fusible disconnect switches provided with an enclosure, used primarily for manual motor disconnection, and Service Entrance Disconnection or Branch Disconnection.

They control the disconnection upstream from the motor and isolate a load for maintenance operations: they ensure the on-load breaking and making of circuits and safely isolate all low-voltage electrical circuits by providing protection against contact with live parts and environmental elements, such as dust, water and other hazards.

Additional features a operation handle that abides by Lock Out / Tag Out requirements.

===== System =====

Fill rate E-Order Common	83
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	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

Standards

Conformity to standards	UL
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Certificates and Declaration - Safety

UL file number	E173959
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Technical Characteristics

Control operator	Front
Number of poles	3
Rated current [A]	30
Size	M1
Type	Polycarbonate enclosure LBS
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	7.5/24.2
FLA 3 ph motor max. / 220-240 VAC	7.5/22
FLA 3 ph motor max. / 440-480 VAC	20/27
FLA 3 ph motor max. / 600 VAC	25/27

Technical Characteristics - Mechanical

Endurance (number of operating cycles)	10000
Operating torque [lbs.in/Nm]	7/0.8

Technical Characteristics - Short-circuit capacity

Auxiliary contacts / Electrical characteristics	A300
Operation voltage 2 P - 3/4 P	600VAC
Short circuit rating at 600 VAC [kA]	65
UL General use rating	30
ETIM - Electrical characteristics	
Max. rated operation voltage Ue AC [V]	690
Rated operating voltage [V]	400..690
Rated permanent current Iu [A]	30
Rated permanent current at AC-23, 400 V [A]	30
Rated permanent current at AC-21, 400 V [A]	30
Rated operation power at AC-3, 400 V [kW]	30
Rated short-time withstand current Icw [kA]	1.26
Rated operation power at AC-23, 400 V [kW]	15
Switching power at 400 V [kW]	15
Conditioned rated short-circuit current Iq [kA]	50
Number of poles	3
ETIM - Mechanical characteristics	
Suitable for floor mounting	Yes
Suitable for front mounting 4-hole	Yes
Suitable for front mounting centre	No
Suitable for distribution board installation	No
Suitable for intermediate mounting	No
Colour control element	Red
Degree of protection (IP), front side	IP65
Degree of protection (NEMA)	4X
ETIM - Technical features	
Version as main switch	No
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	Complete device in housing
Type of control element	Door coupling rotary drive
Interlockable	Yes
Type of electrical connection of main circuit	Screw connection
Logistics	
GTIN/EAN	3596031969371
Customs number	8536508090
Price unit	PC
Weight of the packing unit	0.66
Length of the packing unit	0.18
Width of the packing unit	0.132
Depth of the packing unit	0.125
Product Details	
Effective date	2009-07-10
Country of origin	TN
Discount Policy	1CA12
Discount Policy Label	SIRCO M1 to M3

Length of the product unit	0.162
Width of the product unit	0.099
Depth of the product unit	0.111
Weight	0.66
Classification	
UNSPSC	39122233
ETIM Class	EC000216
IGCC	5290