

35053081

AC Load break switch SIDERMAT 3P 800A side operation



Strong points

- Remote tripping

- Safety with visible double breaking
- Robust construction: suitable for use in harsh conditions

General characteristics

- 250A to 1800A.
- 3P or 4P available.
- Direct or external handle.
- Auxiliary contact optional.

Compliance with standards

- IEC 60947-3

Access to resources (ex: manuals)

https://www.socomec.co.uk/engb/reference/35053081 SIDERMATs make and break under load conditions and provide safety isolation for any low voltage circuit.

The tripping function assures the following functions:

- protection of persons against insulation faults through combination with toroids and differential relays,

- protection against surges by working with CTs and thermal relays,
- fuse-based protection against short circuits.

Classification

UNSPSC39122233ETIM ClassEC000216IGCC5290CommerceElfective date1992-01-22Country of originFRLength of the product unit0.421Depth of the product unit0.421Depth of the product unit0.2795Weight13.74ETIM - Electrical characteristicsMax. rated operation voltage Ue AC [V]690Rated operation voltage Ue AC [V]690Rated permanent current Ia [A]800Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-24, 400 V [A]630Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-24, 400 V [A]630Switching power at AO-24, 400 V [A]475Switching power at AO-24, 400 V [A]100Number of poles3ETIM - Mechanical characteristicsSuitable for front mountingNoSuitable for front mounting entreNoSuitable for front mounting entreNoSuitable for front mounting sentreNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as energency stop installationNoNumber of switches1N	Classification	
IGCC5290CommerceEffective date1992-01-22Country of originFRLength of the product unit0.32Width of the product unit0.421Depth of the product unit0.2795Weight13.74ETIM - Electrical characteristicsMax. rated operation voltage Ue AC [V]690Rated operating voltage [V]400690Rated permanent current Iu [A]800Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-23, 400 V [A]800Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-23, 400 V [A]800Rated operation power at AC-23, 400 V [A]800Switching power at AO-V [AW]475Switching power at AO-V [AW]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for fnot mounting oentreNoSuitable for finot mounting oentreNoSuitable for finot mounting centreYesVersion as main switchYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as maintenance-/service switchYesVersion as safety switch1Motor drive optionalNoNumber of switches1Motor drive integratedNoVersion as reversing switchNoNucrein integratedNo </td <td>UNSPSC</td> <td>39122233</td>	UNSPSC	39122233
CommerceEffective date1992-01-22Country of originFRLength of the product unit0.32Width of the product unit0.421Depth of the product unit0.2795Weight13.74ETIM - Electrical characteristicsMax. rated operation voltage Ue AC [V]690Rated operation voltage [V]400.690Rated permanent current Iu [A]800Rated permanent current at AC-23, 400 V [A]630Rated operation power at AC-23, 400 V [A]800Rated operation power at AC-23, 400 V [A]800Suitable for fitor mounting100Number of poles3Suitable for fitor mounting oentreNoSuitable for fitor mounting oentreNoSuitable for intermediate mountingYesVersion as mainsw	ETIM Class	EC000216
Effective date1992-01-22Country of originFRLength of the product unit0.32Width of the product unit0.421Depth of the product unit0.2795Weight13.74ETIM - Electrical characteristicsMax. rated operation voltage Ue AC [V]690Rated operation voltage [V]400.690Rated operation voltage [V]630Rated permanent current unit (A)800Rated operation voltage [V]475Switching power at AC-23, 400 V [A)]630Rated operation power at AC-23, 400 V [A)]800Rated operation power at AC-23, 400 V [A)]475Switching power at 400 V [AV]475Switching power at 400 V [AV]475Switching power at 400 V [AV]100Number of poles3ETIM - Mechanical characteristicsSuitable for front mountingNoSuitable for front mounting 4-holeYesSuitable for front mounting centreNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as mainswitchYesVersion as mainswitchYesVersion as mainswitchNoNumber of switches1Number of switches1Version as reversing switchNoVersion as reversing switchYesVersion as reversing switchNoVersion as reversing switchN	IGCC	5290
Country of originFRLength of the product unit0.32Width of the product unit0.421Depth of the product unit0.2795Weight13.74ETIM - Electrical characteristicsMax. rated operation voltage Ue AC [V]690Rated operating voltage (V]400.690Rated operanent current lu [A]800Rated permanent current at AC-23, 400 V [A]630Rated operating voltage (V)475Switching power at AC-23, 400 V [A]800Rated operation power at AC-23, 400 V [A]800Switching power at AC-23, 400 V [A]800Number of poles3Suitable for floor mountingNoSuitable for floor mountingNoSuitable for floor mounting d-holeYesSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as maintenance-/service switchYesVersion as main switchYesVersion as reversing switchYes <td>Commerce</td> <td></td>	Commerce	
Length of the product unit0.32Width of the product unit0.421Depth of the product unit0.2795Weight13.74ETIM - Electrical characteristicsMax. rated operation voltage Ue AC [V]690Rated operating voltage (V]400.690Rated permanent current lu [A]800Rated permanent current at AC-23, 400 V [A]630Rated operation power at AC-23, 400 V [A]800Rated operation power at AC-23, 400 V [M]475Switching power at AO V [KW]475Conditioned rated short-circuit current lq [KA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for fort mounting centreNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoNotor drive optionalNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Effective date	1992-01-22
Width of the product unit0.421Depth of the product unit0.2795Weight13.74ETIM - Electrical characteristicsMax. rated operation voltage Ue AC [V]690Rated operating voltage [V]400.690Rated permanent current Iu [A]800Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-23, 400 V [A]800Rated operation power at AC-23, 400 V [KW]475Switching power at 400 V [kW]475Conditioned rated short-circuit current Iq [KA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for floor mounting 4-holeYesSuitable for floor mounting 4-holeYesSuitable for floor mounting 4-holeYesSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as mainswitchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoVoltage release optionalYesVersion as reversing switchYesVersion as reversing switchYesVersion as reversing switchNo <t< td=""><td>Country of origin</td><td>FR</td></t<>	Country of origin	FR
Depth of the product unit0.2795Weight13.74ETIM - Electrical characteristicsMax. rated operation voltage Ue AC [V]690Rated operating voltage [V]400.690Rated permanent current lu [A]800Rated permanent current at AC-23, 400 V [A]630Rated operation power at AC-23, 400 V [A]800Rated operation power at AC-23, 400 V [A]800Rated operation power at AC-23, 400 V [A]75Switching power at 400 V [kW]475Conditioned rated short-circuit current lq [KA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for floor mounting entreNoSuitable for fort mounting centreNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as safety switchYesVersion as safety switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Length of the product unit	0.32
Weight13.74ETIM - Electrical characteristicsMax. rated operation voltage Ue AC [V]690Rated operating voltage [V]400.690Rated permanent current lu [A]800Rated permanent current at AC-23, 400 V [A]630Rated operation power at AC-21, 400 V [A]800Rated operation power at AC-23, 400 V [W]475Switching power at 400 V [kW]475Conditioned rated short-circuit current lg [KA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for floor mounting 4-holeYesSuitable for fort mounting 4-holeYesSuitable for fort mounting centreNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoNumber of switches1Version as reversing switchYesVersion as neargency stop installationNoNumber of switches1Number of	Width of the product unit	0.421
ETIM - Electrical characteristicsMax. rated operatino voltage UAC [V]690Rated operating voltage [V]400.690Rated permanent current Iu [A]800Rated permanent current at AC-23, 400 V [A]630Rated operation power at AC-21, 400 V [A]800Rated operation power at AC-23, 400 V [W]475Switching power at 400 V [kW]475Conditioned rated short-circuit current Iq [KA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for front mounting entreNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as maintenance-/service switchYesVersion as maintenance-/service switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoNumber of switches1Device constructionBuilt-in device fixed built-in technique	Depth of the product unit	0.2795
Max. rated operation voltage Ue AC [V]690Rated operation voltage [V]400.690Rated permanent current Iu [A]800Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-21, 400 V [A]800Rated operation power at AC-23, 400 V [KV]475Switching power at 400 V [KV]475Conditioned rated short-circuit current Iq [KA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for fort mounting 4-holeYesSuitable for fort mounting centreNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as mergency stop installationNoNumber of switches1Motor drive optionalNoNumber of switches1Oversion as reversing switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive optionalNoDevice constructionBuilt-in device fixed built-in technique	Weight	13.74
Rated operating voltage [V]400.690Rated permanent current lu [A]800Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-23, 400 V [A]800Rated operation power at AC-23, 400 V [A]800Rated operation power at AC-23, 400 V [KV]475Switching power at 400 V [kV]475Conditioned rated short-circuit current lq [KA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for fort mounting 4-holeYesSuitable for fort mounting centreNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as meintenance-/service switchYesVersion as mergency stop installationNoNumber of switches1Mumber of switches1Version as neergency stop installationYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoNumber of switches1Otor drive optionalNoDevice constructionBuilt-in device fixed built-in technique	ETIM - Electrical characteristics	
Rated permanent current lu [A]800Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-21, 400 V [A]800Rated operation power at AC-23, 400 V [KW]475Switching power at 400 V [KW]475Conditioned rated short-circuit current lq [KA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for floor mounting 4-holeYesSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as meintenance-/service switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoNumber of switches1Device constructionBuilt-in device fixed built-in technique	Max. rated operation voltage Ue AC [V]	690
Rated permanent current at AC-23, 400 V [A]630Rated permanent current at AC-21, 400 V [A]800Rated operation power at AC-23, 400 V [W]475Switching power at 400 V [kW]475Conditioned rated short-circuit current lq [kA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for fort mounting 4-holeYesSuitable for distribution board installationNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as meintenance-/service switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive optionalNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Rated operating voltage [V]	400690
Rated permanent current at AC-21, 400 V [A]800Rated operation power at AC-23, 400 V [kW]475Switching power at 400 V [kW]475Conditioned rated short-circuit current lq [kA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for front mounting 4-holeYesSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as reversing switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Rated permanent current Iu [A]	800
Rated operation power at AC-23, 400 V [kW]475Switching power at 400 V [kW]475Conditioned rated short-circuit current lq [kA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for front mounting 4-holeYesSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as reversing switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive optionalNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Rated permanent current at AC-23, 400 V [A]	630
Switching power at 400 V [kW]475Conditioned rated short-circuit current lq [kA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for front mounting 4-holeYesSuitable for front mounting centreNoSuitable for intermediate mountingYesSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as mergency stop installationNoNumber of switches1Motor drive optionalNoMotor drive optionalNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Rated permanent current at AC-21, 400 V [A]	800
Conditioned rated short-circuit current lq [kA]100Number of poles3ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for front mounting 4-holeYesSuitable for distribution board installationNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresVersion as main switchYesVersion as maintenance-/service switchYesVersion as reversing switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive entegratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Rated operation power at AC-23, 400 V [kW]	475
Number of poles3ETTIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for floor mounting 4-holeYesSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETTIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Switching power at 400 V [kW]	475
ETIM - Mechanical characteristicsSuitable for floor mountingNoSuitable for floor mounting 4-holeYesSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Conditioned rated short-circuit current Iq [kA]	100
Suitable for floor mountingNoSuitable for floor mounting 4-holeYesSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as reversing switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Number of poles	3
Suitable for front mounting 4-holeYesSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as reversing switchYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	ETIM - Mechanical characteristics	
Suitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Suitable for floor mounting	No
Suitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresVersion as main switchYesVersion as main tenance-/service switchYesVersion as safety switchYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Suitable for front mounting 4-hole	Yes
Suitable for intermediate mountingYesColour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Suitable for front mounting centre	No
Colour control elementOtherDegree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Suitable for distribution board installation	No
Degree of protection (IP), front sideIP20ETIM - Technical featuresYesVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Suitable for intermediate mounting	Yes
ETIM - Technical featuresVersion as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Colour control element	Other
Version as main switchYesVersion as maintenance-/service switchYesVersion as safety switchYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Degree of protection (IP), front side	IP20
Version as maintenance-/service switchYesVersion as safety switchYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	ETIM - Technical features	
Version as safety switchYesVersion as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Version as main switch	Yes
Version as emergency stop installationYesVersion as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Version as maintenance-/service switch	Yes
Version as reversing switchNoNumber of switches1Motor drive optionalNoMotor drive integratedNoVoltage release optionalYesDevice constructionBuilt-in device fixed built-in technique	Version as safety switch	Yes
Number of switches 1 Motor drive optional No Motor drive integrated No Voltage release optional Yes Device construction Built-in device fixed built-in technique	Version as emergency stop installation	Yes
Motor drive optional No Motor drive integrated No Voltage release optional Yes Device construction Built-in device fixed built-in technique	Version as reversing switch	No
Motor drive integrated No Voltage release optional Yes Device construction Built-in device fixed built-in technique	Number of switches	1
Voltage release optional Yes Device construction Built-in device fixed built-in technique		
Device construction Built-in device fixed built-in technique	Motor drive optional	No
	•	
Type of control element Other	Motor drive integrated	No
	Motor drive integrated Voltage release optional	No Yes

SIDERMAT 3X800A L



Interlockable	Yes
Type of electrical connection of main circuit	Bolt connection
Logistics	
GTIN/EAN	3596031171279
Customs number	8536508090
Price unit	PC
Weight of the packing unit	13.74
Length of the packing unit	0.266
Width of the packing unit	0.311
Depth of the packing unit	0.412
Norms	
Conformity to standards	IEC
Technical Characteristics	
Control operator	Direct : S3 / External : S3
Number of poles	3
Rated voltage	690 VAC
Rated current	800
Туре	Lateral left operation
Frame size	2