

i200-E0323 Lock i200 Lock

SAFETY LOCKING DEVICES



i200-E0323 Lock | i200 Lock

SAFETY LOCKING DEVICES



Ordering information

Туре	Part no.
i200-E0323 Lock	6026140

The actuator has to be ordered separately. See "Accessories" for further

Details.

Other models and accessories -> www.sick.com/i200_Lock

actuator not supplied with delivery



Detailed technical data

Features

Sensor principle	Electro-mechanical
Locking principle	Power to lock
Number of positive action N/C solenoid monitoring contacts	1
Number of N/O solenoid monitoring con- tacts	1
Number of positive action N/C door moni- toring contacts	2
Number of N/O door monitoring contacts	1
Number of N/C door monitoring contacts	0
Locking force F _{max}	2,600 N (EN ISO 14119) ¹⁾
Locking force F _{zh}	2,000 N (EN ISO 14119)
Retaining force	≤ 30 N
Actuation frequency	≤ 3,600 /h
Actuation directions	3
Approach speed	≤ 10 m/min

 $^{1)}$ Only in combination with the delivered fixing screws, otherwise 1950 N.

Safety-related parameters

B _{10d} parameter	2×10^{6} switching cycles (with small load)
Туре	Type 2 (EN ISO 14119)
Actuator coding level	Low coding level (EN ISO 14119)
Safe state in the event of a fault	The switch has no internal fault detection and is unable to assume a safe state in the event of a fault. Fault detection is performed by the connected safety-related logic unit.

i200-E0323 Lock | i200 Lock SAFETY LOCKING DEVICES

Interfaces Connection type Cable gland, 3 x M20 Status display I Electrical data Siow action switching element Usage category Ac15/DC13 (EC 609478-1) Rated operating current (voltage) 3/2 (24 V DC) 3/A (24 V DC) 3/A (24 V DC) Rated insulation voltage U _i 500 V Rated insulation voltage U _i 500 V Rated insulation voltage U _i 500 V Sobre-fricult protection 3 A (240 V DC) Short-circult protection 3 A (36 Sobre-fricult prot	Interfaces Connection type Cable gand, 3 x M20 Status display ✓ Electrical data ✓ Switching principle Slow action switching element Laage catagoy Acts/Dc-13 (EC 60947-54)) Rated operating current (vottago) 3/k 200 VAC) 3/k (240 VAC) 3/k (Functions	
Connection type Cable gland, 3 x M20 Status display ✓ Status display ✓ Electrical data Silve action switching element Switching principle Silve action switching element Usage category A16/DC 13 (EC 60947.5.1) Rated operating current (voltage) 3.4 (240 V AC) Rated insulation voltage Uµ Silve ACIS/DC 13 (EC 60947.5.1) Rated insulation voltage Uµ Silve ACIS/DC 13 (EC 60947.5.1) Rated insulation voltage Uµ Silve ACIS/DC 13 (EC 60947.5.1) Rated insulation voltage Uµ Silve ACIS/DC 13 (EC 60947.5.1) Rated insulation voltage Uµ Silve ACIS/DC 13 (EC 60947.5.1) Rated insulation voltage Uµ Silve ACIS/DC 13 (EC 60947.5.1) Rated insulation voltage Uµ Silve ACIS/DC 14 (24 V DC) Rated insulation voltage Uµ Silve ACIS/DC 14 (24 V DC) Solve Acity Drotection S A (26 Solve Acity Drotection S (26 V DC) Solve Acing metals (26 × DC)	Connection typeCable gland, 3 x M20Status display✓Electrical dataSwitching principleSow action switching element.Large categoryAC15/DC13 (IEC 60947-51)Rated operating current (voltage)3A (24 V AC) 3A	Safe series connection	None, only individual wiring (with diagnostics)
Statu displayImage: categoryStore action switching elementUsage: categorySlow action switching elementBated operating current (voltage)Slow 2c15/DC13 (IEC 60947-5.1)Rated operating current (voltage)Slow 2c14/DC03 (IEC 60947-5.1)Rated insulation voltage USolv 0Rated insulation voltage USolv 0Rated insulation voltage USolv 0Rated insulation voltage USolv 0Shore-circuit protectionSlow 2c1/DC13 (IEC 60947.5.1)Shore-circuit protectionS dgSoltendi operating voltageSolv 0Switching voltageSolv 0Soltendi operating voltageSolv 0Solvendi operating voltageSolve 0Solve	Statu displayElectrical dataSwitching principleNow action switching elementUsage catagoryAc-15/DC-13 (IC 60947-5-1)Rated operating current (voltage)3/(240 VAO)Rated operating current (voltage)SolVRated insulation voltage U000 VRated insulation voltage USolVPower consumptionEatro-mechanical contactsPower consumption47 WSoltendir groutage020 VOSoltendir groutage020 VOBeatormentor020 VOSoltendir groutage020 VOBeatormentor020 VOSoltendir groutage020 VOBeatormentor020 VOSoltendir groutage020 VOSoltendir groutage020 VOBeatormentor020 VOSoltendir groutage020 VO <t< th=""><th>Interfaces</th><th></th></t<>	Interfaces	
Electrical data Switching principle Slow action switching element Uage category Ac.15/DC.13 (IEC 60947-5.1) Rated operating current (voltage) 3A (240 VAC) 3A (24 V DC) Rated insulation voltage U 500 V Rated insulation voltage U Electro-mechanical contacts Power consumption 57 W Short-circuit protection 3A §G Switching voltage 25 VDC Switching voltage 25 VDC Switching voltage 25 VDC Switching voltage 25 VDC Switching voltage 20 A V DC 26 A V DC) Switching voltage 20 A V DC 26 A V DC) Switching voltage 00 % Switching inpinciple Power to lock Weight 0.55 kg Housing material Glass-fiber reinforced polyester Mochanical life 1a v 10 [®] switching cycles Ambient operating temperature 20 °C +60 °C Storage temperature -20 °C +60 °C Storage temperature 20 °C +60 °C Storage temperature 20 °C +60 °C S	Electrical data Switching principle Skow action switching element Usage catagory Ac14/pCc3 (IEC 60947-5-1) Rated operating current (voltage) 3A (240 VAC) 3A (240 VAC) Solomoto withstand voltage Ume 9 Solomoto menanetical contacts Power consumption 57 VA Short-circuit protection 3A (260 VAC) 3A (240 VAC) Solomoto operating voltage Switching voltage 57 VA Switching current (switching voltage) 25 M (5 VDC) Switching voltage 100 % Switching woltage 100 % Uschage principle Power to look Weight 0.55 kg Housing material 100 switching oxides Ableint data 10 switching oxides Zolomoto data 10 switching oxides Electes 10 data 20 switching oxides Electes 10 data 10 switching oxides Electes 10 data 20 switching oxides Electes 10 data 20 switching oxides Electes 10 data 20 switching oxides Electes 10	Connection type	Cable gland, 3 x M20
Switching pincipleSlow action switching elementUsage categoryAC15/DC-13 (IEC 60947-5-1)Rated operating current (voltage) $3/(24 \vee DC)$ Rated insulation voltage U $500 \vee$ Rated insulation voltage U $500 \vee$ Rated insulation voltage U $2.500 \vee$ Power consumption $2.500 \vee$ Short-circuit protection $3 A gG$ Switching voltage $5 \vee DC$ Solod operating voltage $25 \vee DC$ Solod operating voltage $25 \vee DC$ Switching routage $25 \vee DC$ Switching routage $25 \vee DC$ Switching voltage $25 \vee DC$ Solod operating voltage $(20.4 \vee DC) 26.4 \vee DC)$ Switching routage $0.55 kg$ Mechanical data 100% Weight $0.55 kg$ Mousing material $0.55 kg$ Ambient data 1×10^6 switching cyclesAmbient data $-20 \circ C +60 \circ C$ Closer string $272 C - 460 \circ C$ Closer string $272 C - 26 - 460 \circ C$ Closer string $272 C - 26 - 36 - 36 - 36 - 36 - 36 - 36 - 36$	Switching principieSlow action switching alementUsage categoryAC-15/DC-13 (IEC 60947-5-1)Rated operating current (voltage)3A (24 V DC)Arted insulation voltage U,500 VRated insulation voltage U,2,500 VRated insulation voltage U,2,500 VType of outputElectromechanical contactsPower consumption3 A (3Short-circuit protection3A (3Switching voltage25 V DCSwitching voltage25 V DCSwitching voltage(20.4 V DC)Switching voltage25 V DCSwitching voltage(20.4 V DC)Switching inhelpice00%Vachanical data100%Weight0.55 kgMechanical data1 x 10 ⁶ switching voltesAmbient data20 ° C + 60 ° CStorage temperature20 ° C + 60 ° CStorage temperature20 ° C + 60 ° CStorage temperature20 ° C + 60 ° CStorage temperature2722603ECless 51.42722603ECless 51.42722603ECless 51.42722603ECless 51.42722603ECless 53.42722603ECless 50.42722603ECless 51.42722603ECless 51.42722603ECless 51.42722603ECless 51.42722603ECless 51.42722603ECless 51.42722603ECless 51.42722603ECless 51.42722603ECless 51.42722603ECless 51.4 <th>Status display</th> <th>✓</th>	Status display	✓
Usage cardAC:15/DC:13 (IEC 60947-5:1)Rated operating current (voltage)3.A (240 VAC) 3.A (24 V DC)Rated insulation voltage U,500 VRated insulation voltage U,500 VRated insulation voltage U,500 VRated insulation voltage U,500 VSolor o tututElectro-incentanical contactsPower consumption4 7 WShort-circuit protection3 A gGSwitching voltage25 DCSolenoid operating voltage(20.4 V DC).Solenoid operating voltage(20.4 V DC).Switching turnet (switching voltage)25 mA (5 V DC)Switching turnet (switching voltage)25 mA (5 V DC)Switching turnet (switching voltage)20 %Weight100 %Housing materialGlass-fiber reinforced polyesterNoteshanical life1x 10 ⁶ switching cyclesTableoure ratingPOSAmbient operating temperature-20 ° C +60 ° CStorage temperature-20 ° C +60 ° CClassifications7272603Eferes 5.027272603Eferes 5.1.427272603Eferes 6.227272603	Usage arderAc.14/DC.13 (IEC 60947:5-1)Rated operating current (voltage)3A(24 V DC) 3A (24 V DC)Rated insulation voltage UiSoO VRated insulation voltage Ui250 0 VTyp of outputElectro-mechanical contactsPower consumption3 A (24 V DC)Short-ficruit protection3 A (26 V DC)Switching voltage25 V DCSolenoid operating voltage(20 A V DC)Solenoid operating voltage(20 A V DC)Solenoid operating voltage(20 A V DC)Switching row operating voltage(20 A V DC)Meshanical data(30 %Housing material(30 %Mechanical field(20 % C)Switching row operating fermerature20 °C	Electrical data	
Rated operating current (voltage)3 A (240 V AC) 3 A (24 V DC)Rated insulation voltage Ui500 VRated insulation voltage Ui500 VRated inpulse withstand voltage Uimp2,500 VType of outputElectro-mechanical contactsPower consumption3 A gGShort-circuit protection3 A gGSwitching current (switching voltage)5 b M (5 V DC)Solenold operating voltage2 (20.4 V DC 26.4 V DC)Solenold operating voltage2 more to lockWeight0.55 kgHousing materialGase-fiber enforced polyesterWeight0.55 kgMotionationation2 0° °C +60 °CAmbient operating temperature200 °C +60 °CCorage temperature200 °C +60 °CClassifications2727603Efeless 5.1 42727603Efeless 6.027272603	Rade operating current (voltage)â/240 VAC) 3 A (240 VAC)Rated inpuise withstand voltage UpElectro-mechanical contactsTope of outputElectro-mechanical contactsPower consumption3 A gGShort-circuit protection3 A gGSoltenid gorenting voltage25 VACSoltenid operating voltage(20 4 V DC)Switching voltage(20 4 V DC)Switching voltage(20 4 V DC)Soltenid operating voltage(20 4 V DC)Switch-ontine of magnet(20 4 V DC)Kuelght0.05 K gHousing materialGiss King voltageMechanical dataIsometro and contact set and conta	Switching principle	Slow action switching element
a A (24 V DC)Rated insulation voltage Ui500 VRated impulse withstand voltage Uimp2,500 VType of outputElectro-mechanical contactsPower consumption< 7 W	a A (24 V DC)Rated insulation voltage U,500 VRated insulation voltage U,500 VRated insulation voltage U,2,500 VType of outputElectro-mechanical contactsPower consumption57 WShort-circuit protection3 A gGSwitching voltage>5 V DCSwitching voltage25 V DCSwitching voltage(20.4 V DC) 26.4 V DC)Solenoid operating voltage(20.4 V DC) 26.4 V DC)Switching rinciple000 %Down /000 %Mechanical data000 %Weight0.55 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching cyclesAmbient data-20 ° C +60 ° CStorge temperature-20 ° C +60 ° CStorge temperature27272603Ecless 5.1.427272603Ecless 5.1.427272603Ecless 6.027272603Ecless 8.1.627272603Ecless 8.1.6 <th>Usage category</th> <th>AC-15/DC-13 (IEC 60947-5-1)</th>	Usage category	AC-15/DC-13 (IEC 60947-5-1)
Rated impulse withstand voltage Ump 2,500 V Type of output Electro-mechanical contacts Power consumption 5 7 W Short-circuit protection 3 A gG Switching voltage 25 V DC Switching current (switching voltage) 25 m A (5 V DC) Solenoid operating voltage (20 4 V DC 26.4 V DC) Switch-no fime of magnet 100 % Locking principle Power to lock Weight 0.55 kg Housing material Glass-fiber reinforced polyester Ambient data 1 x 10 ⁶ switching cycles Ambient operating temperature -20 ° C +60 ° C Classifications 2722603 Etcless 5.1.4 2722603 Etcless 6.0 2722603	Radad impulse withstand voltage Ump2,500 VType of outputElecto-mechanical contactsPower consumption≤ 7 WShort-circuit protection3 AgGSwitching voltage≥ 5 V DCSwitching voltage25 V DCSolenoid operating voltage(204 V DC 26.4 V DC)Solenoid operating voltage00 %Locking principle00 %Dechanical data05 kgWeight0.55 kgHousing materialGiase-fiber reinforced polyesterMolechanical life10 % switching opelesAmbient data20 ° C +60 °CStrage temperature20 ° C +60 °CStorage temperature20 ° C +60 °CCless 5.02722603Electes 5.02722603Electes 5.02722603Electes 6.12722603Electes 6.22722603Electes 6.32722603Electes 6.42722603Electes 6.32722603Electes 6.42722603Electes 6.52722603Electes 6.62722603Electes 6.12722603Electes 6.12722603Electes 6.22722603Electes 6.32722603Electes 6.42722603Electes 6.62722603Electes 6.62722603Electes 6.62722603Electes 6.02722603Electes 6.02722603Electes 6.02722603Electes 6.02722603Electes 6.02722603Electes 6.027	Rated operating current (voltage)	
Type of outputElectro-mechanical contactsPower consumption5 7 WShort-circuit protection3 A gGSwitching voltage5 V DCSwitching current (switching voltage)5 5 M G 5 V DCSolenoid operating voltage(20.4 V DC)Solenoid operating voltage(20.4 V DC)Switch-on time of magnet100 %Locking principlePower to lockWeight0.55 kgMochanical life1.10 ° switching cyclesAmbient data1.10 ° switching cyclesAmbient operating temperature-20 ° c +60 ° CCloses fiber temperature-20 ° c +60 ° CCloses fiber temperature7272603EtCless 5.1.47272603EtCless 6.07272603EtCless 6.27272603	Type of outputElectro-mechanical contactsPower consumption5 7 WShort-circuit protection3 A gGSwitching voltage5 5 V DCSwitching voltage25 N D ()Solenoid operating voltage(20.4 V D C., 26.4 V D C)Solenoid operating voltage(20.4 V D C., 26.4 V D C)Switching outge00 %Locking principle00 %Methanical data0.55 kgMethanical life0.55 kgHousing material(Biss-fiber reinforced polyesterMethanical life1 x 10 ⁶ switching cyclesAmbient operating temperature-20 ° C +60 ° CStorage temperature2722003ECless 5.1.42727203ECless 5.1.42727203ECless 6.22727203ECless 6.32727203ECless 6.42727203ECless 6.52727203ECless 6.62727203ECless 6.12727203ECless 6.12727203 </th <th>Rated insulation voltage U_i</th> <th>500 V</th>	Rated insulation voltage U _i	500 V
Power consumption< 7 W	Power consumption5 7 WShort-circuit protection3 A gGSwitching voltage2 5 V DCSwitching current (switching voltage)2 5 m A (5 V DC)Solenoid operating voltage(20.4 V DC 26.4 V DC)Switchion time of magnet100 %Locking principlePower to lockMechanical data0.55 kgMechanical life0.55 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching cyclesAmbient operating temperature-20 ° C +60 ° CStorage temperature-20 ° C +60 ° CStorage temperature27272603ECless 5.027272603ECless 6.227272603ECless 6.227272603ECless 6.227272603ECless 8.027272603ECless 8.027272603ECless 9.027272603ECless 9.027272603	Rated impulse withstand voltage $\mathbf{U}_{\mathrm{imp}}$	2,500 V
Short-circuit protection 3 A gG Switching voltage ≥ 5 ∨ DC Switching voltage ≥ 5 mA (5 ∨ DC) Solenoid operating voltage (20.4 ∨ DC 26.4 ∨ DC) Switch-on time of magnet 100 % Locking principle Power to lock Weight 0.55 kg Housing material Glass-fiber reinforced polyester Mechanical life 1 x 10 ⁶ switching cycles Ambient operating temperature -20 ° C +60 ° C Classifications 2722603 Eless 5.0 27272603 Eless 6.0 27272603 Eless 6.2 27272603	Short-icuit protection3 A gGSwitching vortage5 V DCSwitching vortage2 S V DCSwitching vortage2 S M (S V DC)Solenoid operating voltage(20.4 V DC 26.4 V DC)Switch-on time of magnet100 %Locking principle0 wer to lookMechanical data(S5 kgHousing material(Bas-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching oyclesAmbient operating temperature-20 °C +60 °CStorage temperature-20 °C +60 °CStorage temperature27272603ECless 5.027272603ECless 6.027272603ECless 6.227272603ECless 6.327272603ECless 6.427272603ECless 6.527272603ECless 6.127272603ECless 6.227272603ECless 6.327272603ECless 6.427272603ECless 6.527272603ECless 6.627272603ECless 6.127272603ECless 6.227272603ECless 6.327272603ECless 6.427272603ECless 6.527272603ECless 6.627272603ECless 6.727272603ECless 6.827272603ECless 6.127272603ECless 6.127272603ECless 6.127272603ECless 6.127272603ECless 6.127272603ECless 6.127272603ECless 6.127272603ECless 6.127272603 <th>Type of output</th> <th>Electro-mechanical contacts</th>	Type of output	Electro-mechanical contacts
Switching voltage5 V DCSwitching current (switching voltage)5 mA (5 V DC)Solenoid operating voltage(0.4 V DC 26.4 V DC)Switch-on time of magnet100 %Locking principle0 Now to lockUechanical dataSis (S GWeight0.55 kgHousing materialGlass-fiber reinforced polyesterMolent of data1 x 10 ⁶ switching cyclesAmbient operating temperature-90 °C +60 °CAmbient operating temperature-20 °C +60 °CClassifications2172603ErGess 5.027272603ErGess 6.027272603ErGess 6.227272603ErGess 6.227272603	Switching outageSVDCSwitching current (switching voltage)SV mathef (SV DC)Solenoid operating voltage(20.4 V DC 26.4 V DC)Switch-on time of magnet00 %Locking principleower to lockMechanical dataSS kgWeight0.55 kgHousing materialGlass-fiber reinforced polyesterMotich atdat-20 °C +60 °CAmbient operating temperature-20 °C +60 °CStorage temperature-20 °C +60 °CClassifications-272603Effess 5.027272603Effess 6.127272603Effess 6.227272603Effess 6.227272603Effess 8.12722603Effess 8.12722603Effess 8.127272603Effess 9.027272603Effess 9.0<	Power consumption	≤ 7 W
Switching current (switching voltage)> 5 mA (5 V DC)Solenoid operating voltage(20.4 V DC 26.4 V DC)Switch-on time of magnet100 %Locking principlePower to lockMechanical data(S5 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching cyclesAmbient data-20 ° C +60 ° CStorage temperature-20 ° C +60 ° CClassifications27272603ECless 5.027272603ECless 6.027272603ECless 6.227272603	Switching curren (switching vottage)> 5 mA (S V DC)Solenoid operating vottage(20.4 V DC 26.4 V DC)Switch-on time of magnet100 %Locking principlewower to lockMechanical dataS kgHousing materialGlass-fiber reinforced polyesterMechanical life0.5 kgMechanical life0.5 kgAmbient operating vottage140 ° switching cyclesAmbient data-20 °C +60 °CStorage temperature-20 °C +60 °CStorage temperature2722603Efcless 1.02727203Efcless 6.02727203Efcless 6.1272203Efcless 8.1272203Efcless 8.1272203Efcless 8.1272203Efcless 8.1272203Efcless 9.0272203Efcless 9.027203Efcless 9.027203Efcless 9.027203Efcless 9.02720	Short-circuit protection	3 A gG
Solenoid operating voltage(0.4.V DC 26.4 V DC)Switch-on time of magnet100 %Locking principlePower to lockUechanical data55 kgWeight0.55 kgMechanical lifeGiass-fiber reinforced polyesterAmbient data1 x 10 ⁶ switching cyclesAmbient operating temperatureP65Corage temperature-20 ° C +60 ° CClassifications272703Etcless 5.02727203Etcless 6.02727203Etcless 6.02727203Etcless 6.22727203	Solenoid operating voltage20.4 V DC 26.4 V DC)Switch-on time of magnet100 %Locking principleNow to lockMechanical dataSis kgHousing materialGiass-fiber reinforced polyesterMechanical life1x 10 ⁶ switching cyclesAmbient dataP65Ambient operating temperature-20 °C +60 °CStorage temperature2727203Celess 5.02727203Ecless 5.02727203Ecless 6.02727203Ecless 6.12727203Ecless 6.22727203Ecless 6.32727203Ecless 6.42727203Ecless 7.02727203Ecless 6.12727203Ecless 7.02727203Ecless 7.12727203Ecless 6.22727203Ecless 7.02727203Ecless 7.12727203Ecless 7.22727203Ecless 7.32727203Ecless 7.42727203Ecless 7.52727203Ecless 7.62727203Ecless 7.12727203Ecless 7.22727203Ecless 7.32727203Ecless 7.42727203Ecless 7.52727203Ecless 7.62727203Ecless 7.72727203Ecless 7.82727203Ecless 7.92727203Ecless 7.12727203Ecless 7.12727203Ecless 7.12727203Ecless 7.12727203Ecless 7.12727203Ecless 7.12727203 <th>Switching voltage</th> <th>≥ 5 V DC</th>	Switching voltage	≥ 5 V DC
Switch-on time of magnet100 %Locking principlePower to lockMechanical dataWeight0.55 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching cyclesAmbient dataEnclosure ratingP65Ambient operating temperature-20 °C +60 °CClassificationsEncloses 5.07272603Encloses 6.027272603Encloses 6.227272603	Switch-on time of magnet100 %Locking principlePower to lockMechanical data0.55 kgWeight0.55 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x10 ⁶ switching cyclesAmbient data	Switching current (switching voltage)	≥ 5 mA (5 V DC)
Locking principlePower to lockMechanical data0.55 kgWeight0.55 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching cyclesAmbient data1 × 10 ⁶ switching cyclesEnclosure ratingIP65Ambient operating temperature-20 °C +60 °C>Constitications20 °C +60 °CEcless 5.027272603Ecless 5.1.427272603Ecless 6.027272603Ecless 6.227272603	Locking principlePower to lockMechanical dataWeight0.55 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching cyclesAmbient dataEnclosure ratingP65Ambient operating temperature-20 ° C +60 ° CStorage temperature-20 ° C +60 ° CECless 5.027272603ECless 5.1.427272603ECless 6.027272603ECless 6.227272603ECless 6.227272603ECless 8.127272603ECless 8.127272603ECless 8.127272603ECless 8.127272603ECless 8.127272603ECless 8.127272603ECless 8.127272603ECless 9.027272603ECless 9.0<	Solenoid operating voltage	(20.4 V DC 26.4 V DC)
Victor Image: Constraint of the second o	NoticeMechanical dataWeight0.55 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching cyclesAmbient dataEnclosure ratingIP65Ambient operating temperature-20 °C +60 °CStorage temperature-20 °C +60 °CStorage temperature-20 °C +60 °CEcl@ss 5.027272603Ecl@ss 5.1.427272603Ecl@ss 6.027272603Ecl@ss 6.227272603Ecl@ss 7.027272603Ecl@ss 8.127272603Ecl@ss 8.127272603Ecl@ss 9.027272603Ecl@ss 1.027272603Ecl@ss 3.0.027272603Ecl@ss 3.0.027272603 <td< th=""><th>Switch-on time of magnet</th><th>100 %</th></td<>	Switch-on time of magnet	100 %
Weight0.55 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching cyclesAmbient data1Enclosure ratingIP65Ambient operating temperature-20 ° C +60 ° CStorage temperature-20 ° C +60 ° CClassifications27272603Ecless 5.027272603Ecless 6.027272603Ecless 6.227272603	Veight0.55 kgHousing materialGlass-fiber reinforced polyesterMechanical life1 x 10 ⁶ switching cyclesAmbient dataEnclosure ratingIP65Ambient operating temperature-20 °C +60 °CTorage temperature20 °C +60 °CClassificationsEfcloss 5.027272603Ecloss 6.027272603Ecloss 6.227272603Ecloss 7.027272603Ecloss 8.127272603Ecloss 8.127272603Ecloss 9.027272603Ecloss 9.027272603Ecloss 8.127272603Ecloss 8.127272603Ecloss 9.027272603Ecloss 9.027272603Ecloss 8.127272603Ecloss 9.027272603Ecloss 9.027272603	Locking principle	Power to lock
Housing materialGlass-fiber reinforced polyesterMechanical lifeI x 10 ⁶ switching cyclesAmbient dataP65Enclosure ratingP60°CAmbient operating temperature-20°C +60°CStorage temperature20°C +60°CClassifications2722603Ecl@ss 5.027272603Ecl@ss 6.027272603Ecl@ss 6.227272603	HorGlass-fiber reinforced polyesterMechanical lifeGlass-fiber reinforced polyesterMechanical life1 x 10 ⁸ switching cyclesAmbient dataIP65Enclosure ratingIP60 °CAmbient operating temperature-20 °C +60 °CStorage temperature-20 °C +60 °CClassifications2727203Ecless 5.02727203Ecless 6.02727203Ecless 6.22727203Ecless 8.12727203Ecless 8.12727203Ecless 9.02727203Ecless 10.02727203Ecless 11.02727203Ecless 11.02727	Mechanical data	
Mechanical life1x 10 ⁶ switching cyclesAmbient dataIP65Enclosure rating temperature-0 ° C +60 ° CAmbient operating temperature-0 ° C +60 ° CStorage temperature-0 ° C +60 ° CEcless 5.02727603Ecless 5.1.42727603Ecless 6.02727603Ecless 6.22727603	Mechanical life1 x 10 ⁶ switching cyclesAmbient dataEnclosure ratingIP65Ambient operating temperature-20 °C +60 °CStorage temperature-20 °C +60 °CClassifications-20 °C +60 °CECless 5.02727203ECless 5.1.42727203ECless 6.02727203ECless 6.22727203ECless 7.02727203ECless 5.12727203ECless 8.02727203ECless 8.12727203ECless 9.02727203ECless 9.02727203ECless 10.02727203ECless 10.02727203ECless 11.02727203ECless 11.02727203<	Weight	0.55 kg
Ambient dataEnclosure ratingIP65Ambient operating temperature-20 °C +60 °CStorage temperature-20 °C +60 °CClassifications27272033ECless 5.027272603ECless 6.027272603ECless 6.027272603ECless 6.227272603	Ambient data IP65 Ambient operating temperature -20 °C +60 °C Storage temperature -20 °C +60 °C Storage temperature -20 °C +60 °C Classifications -20 °C +60 °C Ecless 5.0 27272603 Ecless 5.1.4 27272603 Ecless 6.2 27272603 Ecless 6.2 27272603 Ecless 6.2 27272603 Ecless 6.2 27272603 Ecless 8.0 27272603 Ecless 8.1 27272603 Ecless 8.1 27272603 Ecless 9.0 27272603 Ecless 8.1 27272603 Ecless 9.0 27272603 Ecless 10.0 27272603 Ecless 11.0 27272603 Ecless 9.0 27272603 Ecless 9.0 27272603 Ecless 9.0 27272603	Housing material	Glass-fiber reinforced polyester
Enclosure ratingIP65Ambient operating temperature-20 °C +60 °CStorage temperature-20 °C +60 °CClassifications27272603Ecless 5.027272603Ecless 6.027272603Ecless 6.227272603	Enclosure rating IP65 Ambient operating temperature -20 °C +60 °C Storage temperature -20 °C +60 °C Classifications -20 °C +60 °C ECless 5.0 2727603 ECless 5.1.4 27272603 ECless 6.0 27272603 ECless 6.2 27272603 ECless 7.0 27272603 ECless 8.0 27272603 ECless 8.1 27272603 ECless 9.0 27272603 ECless 10.0 27272603 ECless 11.0 27272603 ECless 11.0 27272603 ECless 11.0 27272603	Mechanical life	1 x 10 ⁶ switching cycles
Ambient operating temperature -20 °C +60 °C Storage temperature -20 °C +60 °C Classifications -20 °C +60 °C Ecless 5.0 27272603 Ecless 5.1.4 27272603 Ecless 6.0 27272603 Ecless 6.0 27272603 Ecless 6.0 27272603	Ambient operating temperature -20 °C +60 °C 5torage temperature -20 °C +60 °C Classifications -20 °C +60 °C ECless 5.0 27272603 ECless 5.1.4 27272603 ECless 6.0 27272603 ECless 6.1 27272603 ECless 6.2 27272603 ECless 7.0 27272603 ECless 8.1 27272603 ECless 8.0 27272603 ECless 8.1 27272603 ECless 9.0 27272603 ECless 10.0 27272603 ECless 10.0 27272603 ECless 10.0 27272603 ECless 11.0 27272603 ECless 11.0 27272603 ECless 11.0 27272603	Ambient data	
Storage temperature -20 °C +60 °C Classifications 27272603 ECI@ss 5.0 27272603 ECI@ss 6.0 27272603 ECI@ss 6.2 27272603	Storage temperature -20 °C +60 °C Classifications 27272603 ECI@ss 5.0 27272603 ECI@ss 6.0 27272603 ECI@ss 6.2 27272603 ECI@ss 6.2 27272603 ECI@ss 6.2 27272603 ECI@ss 6.2 27272603 ECI@ss 7.0 27272603 ECI@ss 8.0 27272603 ECI@ss 8.1 27272603 ECI@ss 8.1 27272603 ECI@ss 9.0 27272603 ECI@ss 10.0 27272603 ECI@ss 11.0 27272603	Enclosure rating	IP65
Classifications ECless 5.0 27272603 ECless 6.0 27272603 ECless 6.2 27272603	Classifications ECless 5.0 27272603 ECless 5.1.4 27272603 ECless 6.0 27272603 ECless 6.2 27272603 ECless 7.0 27272603 ECless 8.0 27272603 ECless 8.1 27272603 ECless 9.0 27272603 ECless 10.0 27272603 ECless 11.0 27272603 ECless 11.0 27272603	Ambient operating temperature	-20 °C +60 °C
ECl@ss 5.0 27272603 ECl@ss 5.1.4 27272603 ECl@ss 6.0 27272603 ECl@ss 6.2 27272603	ECI@ss 5.027272603ECI@ss 5.1.427272603ECI@ss 6.027272603ECI@ss 6.227272603ECI@ss 7.027272603ECI@ss 8.127272603ECI@ss 9.027272603ECI@ss 1.0.027272603ECI@ss 1.1.027272603ECI@ss 1.1.0ECI@SS 9.0ETIM 5.0ECI@SS 9.0	Storage temperature	-20 °C +60 °C
ECI@ss 5.1.4 27272603 ECI@ss 6.0 27272603 ECI@ss 6.2 27272603	ECI@ss 5.1.4 27272603 ECI@ss 6.0 27272603 ECI@ss 6.2 27272603 ECI@ss 7.0 27272603 ECI@ss 8.0 27272603 ECI@ss 8.1 27272603 ECI@ss 9.0 27272603 <th>Classifications</th> <th></th>	Classifications	
ECI@ss 6.0 27272603 ECI@ss 6.2 27272603	ECI@ss 6.0 27272603 ECI@ss 6.2 27272603 ECI@ss 7.0 27272603 ECI@ss 8.0 27272603 ECI@ss 8.1 27272603 ECI@ss 9.0 27272603 ECI@ss 10.0 27272603 ECI@ss 11.0 27272603	ECI@ss 5.0	27272603
ECI@ss 6.2 27272603	ECI@ss 6.227272603ECI@ss 7.027272603ECI@ss 8.027272603ECI@ss 9.027272603ECI@ss 10.027272603ECI@ss 11.027272603ECI@ss 11.027272603ETIM 5.0ECI@2593	ECI@ss 5.1.4	27272603
	ECl@ss 7.0 27272603 ECl@ss 8.0 27272603 ECl@ss 8.1 27272603 ECl@ss 9.0 27272603 ECl@ss 10.0 27272603 ECl@ss 11.0 27272603 ETIM 5.0 EC02593	ECI@ss 6.0	27272603
ECI@ss 7.0 27272603	ECl@ss 8.0 27272603 ECl@ss 8.1 27272603 ECl@ss 9.0 27272603 ECl@ss 10.0 27272603 ECl@ss 11.0 27272603 ETIM 5.0 EC002593	ECI@ss 6.2	27272603
	ECl@ss 8.1 27272603 ECl@ss 9.0 27272603 ECl@ss 10.0 27272603 ECl@ss 11.0 27272603 ETIM 5.0 ECl02593	ECI@ss 7.0	27272603
ECI@ss 8.0 27272603	ECl@ss 9.0 27272603 ECl@ss 10.0 27272603 ECl@ss 11.0 27272603 ETIM 5.0 EC002593	ECI@ss 8.0	27272603
ECI@ss 8.1 27272603	ECl@ss 10.0 27272603 ECl@ss 11.0 27272603 ETIM 5.0 EC002593	ECI@ss 8.1	27272603
ECI@ss 9.0 27272603	ECI@ss 11.0 27272603 ETIM 5.0 EC002593	ECI@ss 9.0	27272603
ECI@ss 10.0 27272603	ETIM 5.0 EC002593	ECI@ss 10.0	27272603
ECI@ss 11.0 27272603		ECI@ss 11.0	27272603
EC002593	ETIM 6.0 EC002593	ETIM 5.0	EC002593
FTW 0.0		ETIM 6.0	EC002593

i200-E0323 Lock | i200 Lock

SAFETY LOCKING DEVICES

ETIM 7.0	EC002593
UNSPSC 16.0901	39122205

Dimensional drawing (Dimensions in mm (inch))







Actuator travel diagram

Contact action over the entire actuator withdrawl distance (full insertion = 0 mm)





Contacts openContacts closed

2021-03-22 18:37:25 | Product data sheet Subject to change without notice

i200-E0323 Lock | i200 Lock

SAFETY LOCKING DEVICES

Switching elements



 ${}_{\ensuremath{\mathbf{W}}}$ Positive action N/C locking monitoring contact

⊖ Positive action N/C door monitoring contact

LM: Locking monitoring contacts DM: Door monitoring contacts

Switching element 32:

1 positive action N/C contact + 1 N/O contact (Locking monitoring) 2 positive action N/C contacts + 1 N/O contact (Door monitoring)

Switching element 41:

2 positive action N/C contacts (Locking monitoring) 2 postivie action N/C contacts + 1 N/O contact (Door monitoring)

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations -www.sick.com



Online data sheet

