



Assessment Report

Title:

Issuance of Statement of Exclusion No. Sira 17E223 - Lockout/Tagout Devices, Padlocks, Accessories, Kits & Stations

Applicant:

Master Lock Europe S.A.S

Report No.

R70122484A

Date and place of issue:

July 2017

Sira Certification, Unit 6, Hawarden Industrial Park, Hawarden, Deeside, CH5 3US, United Kingdom

1 Report Summary

1.1 Certification Overview

The purpose of this report is to document the assessment of the various Lockout/Tagout Devices, Padlocks, Accessories, Kits & Stations, manufactured by Master Lock S.A.S, which demonstrate the exclusion of the equipment to the EU type examination or marking as defined by Directive 2014/34/EU. This permits the issuance of Statement of Exclusion no. Sira 17E223.

1.2 Applicant's Name & Address

Master Lock Europe S.A.S
 10, Avenue de l'Arche,
 Le Colisée Gardens,
 Bâtiment A, 92400 Courbevoie,
 La Défense,
 France

1.3 Manufacturer's Name & Address

As applicant.

1.4 Product Name/Model Number

Padlocks:	406 series, S31 series, S32 series, S33 series and 410 series
Hasps:	428, S430, S440 and S450
Various tags/labels:	Guardian Extreme tags (S4002 series and 497 series), S297 series and S4810 series
Circuit breaker lockouts:	S2391, S2392, S2393, S2394, 491B and 493B
Gate valve lockout:	480 – 484
Cable lockout:	S806, S866 and S856
Lockout station:	1482B, S1800, S1850, S3500, S3501 and S3502
Butterfly valve lockout:	S3920
Blind flange lockout:	S3922, S3923 and S3924
Group lockout box:	S600, S601 and S602
Ball valve lockout:	S3080 and S3081
Covers:	S201 series, S202 series and S203 series

1.5 Product Description

Padlocks

406 series: Thermoplastic padlock with nylon shackle
 S31 series: Thermoplastic padlock with stainless steel shackle
 S32 series: Thermoplastic padlock with nylon shackle
 S33 series: Thermoplastic padlock with nylon shackle
 410 series: Thermoplastic padlock with metal shackle

Hasps

428: Nylon hasp
 S430: Steel hasp with red plastic handle
 S440: Sliding lockout metal hasp
 S450: Sliding lockout metal hasp

Tags/Labels

Various printed plastic laminated tags and labels

Circuit Breaker Lockouts

S2391: Miniature circuit breaker lockout with pin-out toggles

S2392: Miniature circuit breaker lockout with pin-in toggles

S2393: Miniature circuit breaker lockout, universal fit

S2394: Miniature circuit breaker lockout, universal fit

491B: Circuit breaker lockout with tall and wide toggles

493B: Circuit breaker lockout with standard single or double toggles

Gate Valve Lockouts

480 – 484: Two piece thermoplastic lockouts in various sizes

Cable Lockouts

S806: Thermoplastic and steel adjustable cable lockout

S866: Thermoplastic adjustable cable lockout

S856: Thermoplastic adjustable cable lockout

Lockout Station

Plastic lockout station, unfilled

Butterfly Valve Lockout

S3920: Two piece plastic lockout with stainless steel rivet

Blind Flange Lockout

S3922, S3923 and S3924: Aluminium, hardened steel and plastic blind flange lockout device in various sizes

Group Lockout Box

S600, S601 and S602: Powder coated stainless steel group lockout box

Ball Valve Lockout

S3080 and S3081: Two or three piece thermoplastic ball valve lockout

Covers

S201: Ventilated elastic cover

S202: Lockable ventilated cover

S203: Lockable solid cover

1.6 Manufacturer's Documents

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
Padlocks				
0406-Z8000	1 of 1	B	30 Jun 17	406-410 Series
107630	1 of 1	B	30 Jun 17	S31-S32 Series
Hasps				
50215	1 of 1	B	30 Jun 17	428 Series
86766	1 of 1	B	30 Jun 17	S430 Series
P25738	1 of 1	C	30 Jun 17	S440 Series
P24378	1 of 1	B	30 Jun 17	S450 Series
Tags & Labels				
TDWG-000480	1 of 1	A	30 Jun 17	497 Tags
TDWG-000467	1 of 1	A	30 Jun 17	S297 Series
P34070	1 of 1	A	30 Jun 17	S4810 Series
TDWG-000479	1 of 1	A	30 Jun 17	S4810 Tags
87521	1 to 7	L	04 Jul 17	Tag Descriptions
Circuit Breaker Lockouts				
60543	1 of 1	C	30 Jun 17	491B Series
58399	1 of 1	D	30 Jun 17	493B Series
73688	1 of 1	B	30 Jun 17	S2391 Series
105534	1 of 1	A	30 Jun 17	S2392 Series
106716	1 of 1	A	30 Jun 17	S2393 Series
P25108	1 of 1	C	30 Jun 17	S2394 Series
Gate Valve Lockouts				
0480-08000	1 of 1	B	30 Jun 17	480 Series
0481-08000	1 of 1	B	30 Jun 17	481 Series
0482-08000	1 of 1	B	30 Jun 17	482 Series
0483-08000	1 of 1	D	30 Jun 17	483 Series
0484-08000	1 of 1	E	30 Jun 17	484 Series
Cable Lockouts				
TDWG-000637	1 of 2	A	30 Jun 17	S806 Series
P51075	1 of 1	C	30 Jun 17	S856-S866 Series
Lockout Station				
45444	1 of 1	E	30 Jun 17	1482 Series
P44305	1 of 1	A	30 Jun 17	Permit Station – Bottom
P50831	1 of 1	A	30 Jun 17	Permit Station – Top
72320	1 of 1	A	30 Jun 17	S1800
72316	1 of 1	A	30 Jun 17	S1850
Butterfly Valve Lockout				
P24669	1 of 1	C	30 Jun 17	S3920 Series
Blind Flange Lockout				
TDWG-000489	1 of 1	B	30 Jun 17	S3922-S3924 Series
Group Lockout Box				
P43200	1 of 1	B	30 Jun 17	S600 Series
P48305	1 of 1	B	30 Jun 17	S601 Series
P43201	1 of 1	B	30 Jun 17	S602 Series
Ball Valve Lockouts				
P15515	1 of 1	A	30 Jun 17	S3080-S3081 Series
Covers				
TDWG-000468	1 of 1	B	30 Jun 17	S201-S203 Series

1.7 Conclusion

It is the opinion of CSA Sira that the product described in section 1.5 does not fall within the scope of European Directive 2014/34/EU due to the lack of any potential ignition source inherent to the design (see section 3) and proper use of the finished product in accordance with the manufacturer's instructions.

1.8 Signatories

Compiled by + signature:

R Simmons IEng MIET
Engineering Team Manager



Reviewed by + signature:

Paul Young
Engineering Team Manager



2 Tests

No samples were received and no tests were conducted.

3 Supporting Assessments

The products covered in the drawings listed in section 1.6 do not contain electrical circuits or other parts that would provide an effective ignition source under normal operation, expected malfunction or rare malfunction. The products do not have their own source of ignition and any ignition risks related to conditions of use are controlled by the end user. The installation/user instructions for the products are held in the technical file associated with this project.

The S866 and S856 adjustable cable lockouts and the permit station all contain metallic springs, for which the manufacturer has provided calculations and assessment (held in the technical file associated with this project). These models contain springs which are hand operated, do not store energy except for very brief moments in time, and have a worst case single impact speed of 0.954m/s with 0.191 Joules of energy. According to EN/ISO 80079-36:2016 hand operated equipment is not generally considered to form a potential ignition source, and Clause 6.4.2.1 a) states that there is no potential ignition source when the impact velocity is less than 1m/s and the maximum potential impact energy is less than 500J.

No further assessment is deemed necessary.

4 Assessment against ATEX Directive 2014/34/EU

It is the opinion of CSA Sira that the product described in section 1.5 does not fall within the scope of European Directive 2014/34/EU due to the lack of any potential ignition source inherent to the design (see section 3) and proper use of the finished product in accordance with the manufacturer's instructions.