

**DICHIARAZIONE DI CONFORMITÀ
DECLARATION OF CONFORMITY**

N°34 Rev. 0

Il fabbricante / The manufacturer:

ISEO Serrature S.p.A.

Via S. Girolamo, 13

25055 - Pisogne (BS) – ITALY

Dichiara Sotto la propria responsabilità che il prodotto:

Declares under its own responsibility that the product:

Denominazione / Product name	Cilindro elettronico / Electronic cylinder
Nome commerciale / Tradename	LIBRA
Codici / Codes	82K2*****

È conforme alle seguenti norme / is according to the following standards:

EN15684:2012 Accessori per serramenti - Cilindri mecatronici - Requisiti e metodi di prova
Building hardware. Mechatronic cylinders. Requirements and test methods

Rapporto di prova: / Test report:	44-4/14	Emesso da: / Issued by:	PIV Prüfinstitut Schlösser und Beschläge Velbert Wallstraße 41 D-42551 Velbert - GmbH
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Classificazione: / Classification:	1	6	0	4	A	F	0/3¹⁾	0
	Categoria d'uso <i>Category of use</i>	Durabilità <i>Durability</i>	Resistenza al fuoco / fumo <i>Fire/smoke resistance</i>	Resistenza all'ambiente esterno <i>Environmental resistance</i>	Sicurezza della chiave (meccanica) <i>Mechanical key security</i>	Sicurezza della chiave (elettronica) <i>Electronic key security</i>	System Management <i>System Management</i>	Resistenza all'attacco <i>Attack resistance</i>

Nota 1: System Management Gr. "0" software Simply
Note 1: System Management Gr. "3" software Off-line, software Argo

Category of use grade 1: for use by people with a high incentive to exercise care and with a small chance of misuse

Durability grade 4: 25.000 test cycles;
grade 5: 50.000 test cycles;
grade 6: 100.000 test cycles.

Fire resistance grade 0: not approved for use on fire resistant and smoke control door assemblies;
grade A: suitable for use on smoke control door assemblies;
grade B: suitable for use on fire resistant and smoke control doors.

	Mechatronic cylinder					Mechatronic key			
	Corrosion	Protection	Dry heat	Cold	Dump heat	Protection	Dry heat	Cold	Dump heat
grade 0:	-	-	-	-	-	-	-	-	-
grade 1:	-	-	+55°C	+5°C	-	-	+55°C	+5°C	-
grade 2:	96 h NSS	IP X4	+55°C	+5°C	-	10 cm under water	+55°C	+5°C	-
grade 3:	96 h NSS	IP X4	+55°C	-10°C	-	10 cm under water	+55°C	-10°C	-
grade 4:	96 h NSS	IP X4	+65°C	-25°C	+55°C	10 cm under water	+65°C	-25°C	+55°C

	Mechanical codes			Movable detainers		Identical steps	
	Mechanical codes	Correlation with EN 1303:2005	Torque resistance of plug/cylinder	Min. number of movable detainers	Correlation with EN 1303:2005	Max numbers of identical steps	Correlation with EN 1303:2005
grade A:	-	-	-	-	-	-	-
grade B:	100	Grade 1	2,5 Nm	2	Grade 1	100 %	Grade 1
grade C:	300	Grade 2	5 Nm	3	Grade 2	70 % max. 2 adjacent	Grade 2
grade D:	15.000	Grade 3	15 Nm	5	Grade 3	60 % max. 2 adjacent	Grade 3
grade E:	30.000	Grade 4 or 5	15 Nm	5	Grade 4 or 5	60 % max. 2 adjacent	Grade 4 or 5
grade F:	100.000	Grade 6	15 Nm	6	Grade 6	60 % max. 2 adjacent	Grade 6

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Electronic key related security
 grade A: 10.000 Electronic codes
 grade B: 100.000 Electronic codes
 grade C: 1.000.000 Electronic codes
 grade D: 10.000.000 Electronic codes
 grade E: 100.000.000 Electronic codes - Communication shall be protected
 grade F: 1.000.000.000 Electronic codes - Communication shall be protected

System management
 grade 0: No requirement
 grade 1: Time zone without audit trail
 grade 2: Audit trail capability without time zone
 grade 3: Audit trail capability and time zone

Attack resistance

	Drilling	Chisel	Twisting	Plug extraction	Plug torque	Hits	Vibrations	Increased voltage	Electrostatic discharge	Magnetic field
grade 0:	-	-	-	-	-	-	-	-	8 kV contact 15 kV in air	-
grade 1:	3 min net 5 min tot	30 blows	20 twists	10 kN 3 min	20 Nm	3 min	3 min	Normal supply voltage + 6 V by a max. 600 mA	8 kV contact 21 kV in air	2 min
grade 2:	5 min net 10 min tot	40 blows	30 twists	15 kN 5 min	30 Nm	5 min	5 min	Normal supply voltage + 48 V by a max. 600 mA	8 kV contact 21 kV in air	2 min

Luogo: Pisogne (BS)
 Place:

Prima emissione: 08.09.2016
 First issuing:

Emissione corrente: 08.09.2016
 Current issuing:

EVARISTO FACCHINETTI
 Amministratore Delegato
 (Managing Director)

