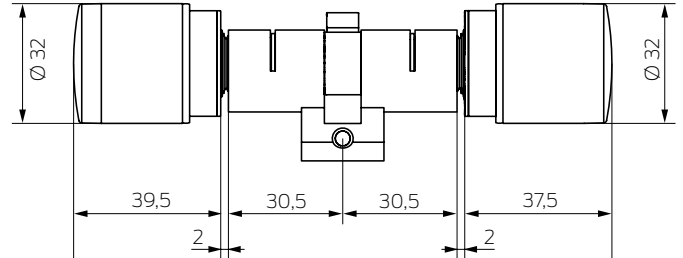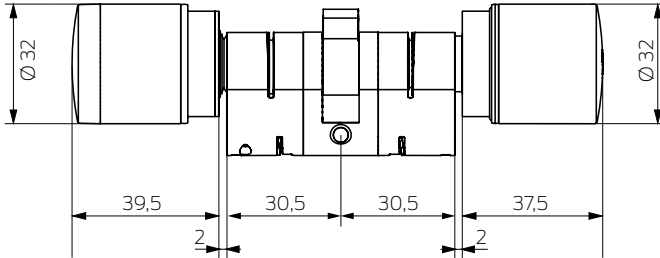Simons≡Voss
technologies

// FEATURES

:: Optimum reliability: the SecureElement stores the encrypted system data and is part of the new AX security architecture. This special chip is an integral part of authentication and cannot be read from the outside.

:: Drilling protection protects the actuator electronics and the cylinder profile (Euro Profile) against external attacks. Certified attack resistance: Top classification code as per EN 15684/DIN 18252. Can be used in burglary-resistant doors up to resistance class RC 4 as per EN 1627.

:: Whether active, passive or hybrid – Various reading variants are possible at any time and are supported with Bluetooth Low Energy (BLE) technology.

:: Flexible thanks to its modular design: the Cylinder AX can be quickly and efficiently adapted to any door thickness thanks to individually adjustable cylinder lengths (EU).

:: Extremely long battery life with up to 12 years on stand-by.

:: Future-proof investment forms part of the SimonsVoss promise. The Digital Cylinder AX can be integrated into an existing system (backwards compatible with existing components).

:: Room for beauty: the Cylinder AX not only impresses with its appearance, but also with its comfortable touch ergonomic thumb-turns.

:: Greater ease of use thanks to visual and audible feedback signals.

:: Made in Germany. A given for us.
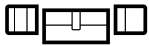
// TECHNICAL DATA

Profiles	:: Euro Profile Cylinder (EU) :: Swiss Round Cylinder (SR)	Battery life	Up to 12 years on standby or 100,000 activations (standard)/ 300,000 activations (battery thumb-turn)
Basic length	from 30 – 30 mm (EU/SR) Short cylinders from 20 – 25 mm (EU)	Temperature range	Operational: -25º C to +65º C (in accordance with EN 15684)
	Can be ordered and extended in 5 mm increments up to 90 mm per side (EU) (other lengths on request)	Protection rating	IP54 (standard)/IP67 (option .WP)
Thumb-turns	Reader thumb-turn: :: Active cylinder: Stainless steel ring cover; accessories: Stainless steel thumb-turn cover :: Passive/hybrid cylinders: Plastic cover, black	Signalling	Audible (buzzer) and/or Visual (LED – green/red)
		Offline storable accesses (.ZK option)	Up to 3,000
	Rotary thumb-turn: stainless steel	Time zone groups	100+1
	Diameter: 32 mm	Max. number of media per cylinder	Up to 64,000
Reader systems	:: Active transponder technology 25 KHz :: Passive (MIFARE® Classic and DESFire®) :: Hybrid (active and passive) :: Bluetooth Low Energy (BLE)	Radio network 868 MHz	Network-ready with integrated LockNode (can be retrofit)
		Can be upgraded	Firmware upgradable via BLE
Operation types	Offline, virtual network and online (can be combined)	Certificates	:: DIN EN 15684:2021 : Classification 16B40D3D (standard/VdS) :: DIN 18252:2018 : classification key EE6DFZG (standard)/ EE6DR1 (anti-panic) :: VdS class BZ: .VdS option :: SKG ***: .SKG option :: SSF 3522: Class 5 applied for
Battery type	CR 2450, 3 V lithium		
	Quantity: 2 x (Standard)/ 6 x (battery thumb-turn)		

// DIMENSIONS (EURO PROFILE / EU)

| 39,5 | 30,5 | 30,5 | 37,5 |

Ø 32 · Ø 32 · 2 · 2

// DIMENSIONS (SWISS ROUND / SR)

| 39,5 | 30,5 | 30,5 | 37,5 |

Ø 32 · Ø 32 · 2 · 2

// PRODUCT VERSIONS

DIGITAL EURO PROFILE CYLINDER AX

Digital Euro Profile Double Thumb-Turn Cylinder AX – Comfort; inner side is permanently engaged to open; installation length: 30–30 mm; modular in length; stainless steel thumb-turns detachable; integrated drilling protection; can be operated with SimonsVoss transponders	SV-Z5.EU.CO.30-30.A.G2
Digital Euro Profile Double Thumb-Turn Cylinder AX – Freely Rotating; freely rotating and reader on both sides, installation length 30–30 mm; modular in length; stainless steel thumb-turns detachable; integrated drilling protection; can be operated with SimonsVoss transponders	SV-Z5.EU.FD.30-30.A.G2
Digital Euro Profile Half Cylinder AX; installation length 30–10 mm; modular in length; stainless steel thumb-turn detachable; integrated drilling protection; can be operated with SimonsVoss transponders	SV-Z5.EU.HZ.30-10.A.G2

DIGITAL SWISS ROUND CYLINDER AX

Digital Swiss Round Cylinder AX – Comfort; inner side is permanently engaged; installation length 30–30 mm; stainless steel thumb-turns can be detached, integrated drilling protection; can be operated with SimonsVoss transponders	SV-Z5.SR.CO.30-30.A.G2
Digital Swiss Round Cylinder AX – Freely Rotating; freely rotating and reader on both sides; installation length: 30–30 mm; stainless steel thumb-turns detachable; integrated drilling protection; can be operated with SimonsVoss transponders	SV-Z5.SR.FD.30-30.A.G2
Digital Swiss Round Half Cylinder AX; installation length 30–10 mm; stainless steel thumb-turn detachable; integrated drilling protection; can be operated with SimonsVoss transponders	SV-Z5.SR.HZ.30-10.A.G2

OPTIONAL READER SYSTEMS:	
:: Passive (MIFARE® Classic and DESFire®)	.M.G2
:: Hybrid (active and passive)	.AM.G2

See price list for further variants, options and accessories.

Measurements indicated in mm

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