



# DIGITAL SMART HANDLE SMART INTEGO



## Outstanding design. Excellent technology.

Architects, planners and designers agree: the SimonsVoss digital door fitting is amongst the leading solutions both technologically and visually. Its balanced design impresses even the most demanding decision makers around the world.

In the development of the wireless SmartIntego SmartHandle fitting, great emphasis was also placed on exploiting special advantages in buildings with many users. SmartHandle uses a contactless system to communicate with identification media via the card reader integrated into the SmartHandle. It has an average battery life of five years and, like the cylinder, is virtually maintenance-free in online mode for up to 80,000 locking operations for many years.

Another distinctive feature is the innovative snap-in-installation. This simple, instant process can be used on doors up to 100 mm thick without any need to drill additional holes. Awarded the red dot design award, SmartHandle is the obvious choice wherever timeless elegance and a stylish ambience are required due to its range of versions – Euro Profile, Scandinavian Oval and Swiss Round.



# DIGITAL SMART HANDLE – SMART INTEGO

## COMPOSITION OF THE ITEM NO. WITH EXAMPLE:

Identifier for digital door fitting = SI.SH										
Profile: <b>A = Europrofile/Swiss Round</b> , B = Scandinavian Oval C = Europrofile with MO (Mechanical Override), D = Swiss Round with MO E = Scandinavian Oval with MO, F = Europrofile with rosette fitting* G = Swiss Round with rosette fitting* H = Europrofile with MO - for tubular frame doors, I = Swiss Round with MO - for tubular frame doors										
Profile/door thickness: <b>S = 39 - 60 mm; 33 - 54 mm for SO; 30 - 51 mm for SO with DP; 32 - 50 mm for SKG</b> M = 59 - 80 mm; 53 - 74 mm for SO; 50 - 71 mm for SO with DP; 50 - 70 mm for SKG L = 79 - 100 mm; 73 - 94 mm for SO; 70 - 91 mm for SO with DP; 70 - 90 mm for SKG										
Square shaft: 07 = 7 mm 08 = 8 mm F8 = 8 mm (fire-retardant version) 8,5 mm (via sleeve Hülse SH.SLEEVE.8.5, see accessories) / For SKG-versions only 8 mm (08) available 09 = 9 mm (fire-retardant version) <b>10 = 10 mm</b>										
Fastening type/plate width: A SnapIn, narrow (41 mm) <b>B SnapIn, wide (53 mm)</b> C Conventional fastening, narrow (41 mm) D Conventional fastening, wide (53 mm) E Conventional fastening with MO – internal and outside recess, narrow (41 mm) F Conventional fastening with MO – internal and outside recess, wide (53 mm) G Conventional fastening with MO – internal blank / outside recess, narrow (41 mm) H Conventional fastening with MO – internal blind / outside recess, wide (53 mm) I Conventional fastening with MO – internal recess / outside blind, narrow (41 mm) J Conventional fastening with MO – internal recess / outside blank, wide (53 mm) K Conventional fastening with MO – internal and outside blind, narrow (41 mm) L = Conventional fastening with MO – internal and outside blank, wide (53 mm)										
Separation: 00 = Conventional fixing 70 = 70 mm 88 = 88 mm 72 = 72 mm 90 = 90 mm 75 = 75 mm 92 = 92 mm 78 = 78 mm 94 = 94 mm (only for Swiss Round) <b>85 = 85 mm 96 = 96 mm (only for Scandinavian Oval)</b> 05 = 105 mm (for Scandinavian Oval only)										
Version: 0 = engaged (without electronics) <b>1 = engaged on one side</b> 2 = Door Monitoring with SimonsVoss Sensors 3 = Door Monitoring with external lock sensors 4 = time-controlled return function without additional ohne Door Monitoring functionality										
Handle version, outside: <b>A = L-shaped R (curved round)</b> B = L-shaped G (mitred) C = U-shaped R (curved round) D = U-shaped G (mitred) E = U-shaped R (rounded), offset										
Handle version, inside: <b>A = L-shaped R (curved round)</b> B = L-shaped G (mitred) C = U-shaped R (curved round) D = U-shaped G (mitred) E = U-shaped R (curved round), elbowed K = Knob (only for SKG-version)										
Surface: <b>1 = Brushed stainless steel</b> 3 = Brass										
Reader technology: 0 = without electronics <b>A = Wireless Online:</b> MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® / EV1/ EV2, UID (card serial number) as per ISO 14443 (e.g. MIFARE®, Legic® Advant, HID® SEOS), and Calypso Serial number and 7816-4 elementary file <b>3 = Virtual Card Network:</b> MIFARE® Classic or MIFARE® DESFire® / EV1/ EV2										
Options: <b>WP</b> , E1 (PAS24), DP (only for SO and SKG)										
SI.SH	AS	10	B	85	1	A	A	1	A	WP

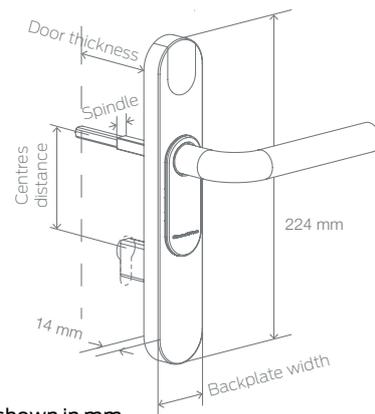
Item code for the example given above: SI.SHAS10B851AA1AWP

\* Version can also be fitted on the existing fastening holes in conjunction with a mechanical secondary locking device due to its design and installation type

## DIGITAL SMART HANDLE – SMART INTEGO

The SimonsVoss SmartHandle digital door fitting for doors combines intelligent access control functions with an elegant, ergonomic design. Its slim, flat exterior, SmartHandle conceals highly innovative technology.

In developing the new SmartHandle door fitting, we particularly focussed on the demands of use in outdoor areas. The digital SmartHandle can be used on doors fitted with Euro Profile cylinders, Swiss Round and Scandinavian Oval mortise locks.



Measurements shown in mm

### // UNIQUE SELLING POINT

The innovative snap-in fitting system means that there is no need to drill holes in doors. This means existing doors are not damaged and installation times are greatly reduced.

Cable-free on-line door monitoring: Sensitive rooms can be equipped with DoorMonitoring if required. The cable-free on-line door monitoring system records, logs and reports all door statuses using sensor control to detect whether doors are open, closed, or locked.

### // TYPES OF FIXING

see next pages

### // TECHNICAL DATA

- ∴ Types: Euro Profile cylinder (as per DIN 18252 / EN1303), Swiss Round, Scandinavian Oval
- ∴ Dimensions (W x H x D):  
Narrow: 41 x 224 x 14 mm  
Wide: 53 x 224 x 14 mm
- ∴ Dimensions (W x H x D):  
Narrow: 48 x 230.2 x 21.75 mm  
Wide: 59 x 229.2 x 21.75 mm
- ∴ Read procedure Wireless Online:  
MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® / EV1/EV2, UID (card serial number) as per ISO 14443 (e.g. MIFARE®, Legic® Advant, HID® SEOS), and Calypso Serial number and 7816-4 elementary file
- ∴ Read procedure Virtual Card Network:  
MIFARE® Classic or MIFARE® DESFire® / EV1/EV2
- ∴ Battery type: 2 x lithium CR2450 3V Lithium
- ∴ Battery lifetime;  
Wireless Online: up to 80,000 activations  
Virtual Card Network: up to 50,000 activations  
Wireless Online stand-by: up to 5 years  
Virtual Card Network stand-by: up to 5 years
- ∴ Temperature range: operation –20 °C to +50 °C
- ∴ Storage (short term): –40°C to +70°C  
Storage (long term): 0°C to +30°C
- ∴ Feedback signal: audible (buzzer) and visual (LED: blue/red)

# DIGITAL SMART HANDLE – SMART INTEGO



## // WIRELESS ONLINE (868 MHZ)

- :: Reads 5 different card set-ups
- :: Opened after release by access control system (short release interval) with variable time settings
- :: Permanent release (on/off) with timer function
- :: Office mode with timer function
- :: DoorMonitoring function with SimonsVoss sensors
- :: DoorMonitoring function with external locking device sensor (locking device not included in the delivery package)
- :: Time-controlled return function
- :: Construction White List function with up to 128 cards
- :: White List function with up to 250 offline cards
- :: Recording of accesses even in the event of network failure
- :: Transmission of battery status and QoS (quality of signal)
- :: Configurable "keep alive" event
- :: 'Integrator lock'
- :: Auto-configuration via SmartIntego Manager (in TCP/IP Gateway Node models only)

## // VIRTUAL CARD NETWORK

- :: Issue of authorisations (access) based on doors areas, groups and exception functions
- :: Battery status
- :: Blacklist transfer, including feedback signal
- :: Physical access lists
- :: Time budget / activation and expiration date
- :: Data deletion on online terminal
- :: Initial programming possible using access control manufacturer's online reader
- :: Time profiles on the card
- :: Data transmission secured during writing and read procedure
- :: Time-controlled return function

## // TYPES OF FIXING

There are four different types of fixing with digital SmartHandle: SnapIn, conventional fixing, rosette fitting and conventional fitting with mechanical override (MO).



## // BASIC VERSIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>DIGITAL SMART HANDLE – SMART INTEGO</b>		
<b>Digital SmartHandle – SmartIntego – Snap-in</b>		
Electronic door handle for mounting on doors, with handle lock designed for Euro Profile and Swiss Round. Outer side can be operated with MIFARE® SmartCards/SmartTags only; inner side is permanently engaged.	SI.SHA*...A**...A*** SI.SHA*...B**...A***	SI.SHA*..A**...3** SI.SHA*..B**...3**
<b>Digital SmartHandle – SmartIntego – Conventional Fastening</b>		
Electronic door handle for conventional mounting with screws, with handle lock designed for Euro Profile and Swiss Round. Outer side can be operated with SmartCards/SmartTags only; inner side is permanently engaged.	SI.SHA*...C**...A*** SI.SHA*...D**...A***	SI.SHA*...C**.....3*** SI.SHA*...D**...3***

DIGITAL  
SMART HANDLE –  
SMART INTEGO

// BASIC VERSIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>DIGITAL SMART HANDLE – SMART INTEGO</b>		
<p>Digital SmartHandle – SmartIntego – <b>Conventional fastening with MO for Euro Profile</b></p> <p>Digital door handle for conventional fitting with screws, with handle lock designed for Euro Profile. Outer side can only be operated with SmartCards/ SmartTags; inner side is permanently engaged.</p>	SI.SHC*...E-L**...A***	SI.SHC*...E-L**...3***
<p>Digital SmartHandle – SmartIntego – <b>Conventional fastening with MO for Swiss Round</b></p> <p>Digital door handle for conventional fitting with screws, with handle lock designed for Swiss Round. Outer side can only be operated with SmartCards/ SmartTags; inner side is permanently engaged.</p>	SI.SHD*...E-L**...A***	SI.SHD*...E-L**...3***
<p>Digital SmartHandle SmartIntego– Fastening for <b>installation on rosettes with MO– for Euro Profile</b></p> <p>Digital door handle for conventional installation with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for Euro Profile; outside can be operated with MIFARE® SmartCards/ SmartTags; inside is permanently engaged</p>	SI.SHF*...E-L**...A***	SI.SHF*...E-L**...3***
<p>Digital SmartHandle SmartIntego– Fixing for <b>installation on rosettes with MO– for Swiss Round</b></p> <p>Digital door handle for conventional installation with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for Swiss Round; outside can only be operated with MIFARE® SmartCards/ SmartTags; inside is permanently engaged</p>	SI.SHG*...E-L**...A***	SI.SHG*...E-L**...3***
<p>Digital SmartHandle SmartIntego– Fixing for <b>mounting to metal frame doors with MO – for Euro Profile</b></p> <p>Digital door fitting for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for Euro Profile; outside can be operated with SmartCards/ SmartTags, inside is always engaged.</p>	SI.SHH*...E-L**...A***	SI.SHH*...E-L**...3***
<p>Digital SmartHandle SmartIntego– Fixing for <b>mounting to metal frame doors with MO – for Swiss Round</b></p> <p>Digital door handle for conventional mounting on doors with screws; additional options for installing a mechanical cylinder as a secondary lock; equipped with a handle lock for Swiss Round; outside can be operated with SmartCards/ SmartTags, inside is always engaged.</p>	SI.SHI*...E-L**...A***	SI.SHI*...E-L**...3***

For detailed information on the composition of article No. see p.38

\* Identification number for profile: e.g. A=Europrofile/Swiss Round

\*\* Identification number for fixing/plate width: e.g C=conventional fixing narrow

\*\*\* Identification number for reading technology/option: e.g A=Wireless online, WP=weatherproof version

DIGITAL  
SMART HANDLE –  
SMART INTEGO

// OPTIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>PROFILE</b>		
Euro Profile / Swiss Round	A	A
Euro Profile with mechanical override (MO)	C	C
Swiss Round with mechanical override (MO)	D	D
Euro Profile with MO – rosette installation	F	F
Swiss Round with MO – rosette installation	G	G
Euro Profile with MO – for tubular frame doors	H	H
Swiss Round with MO – for tubular frame doors	I	I
<b>DOOR THICKNESS</b>		
39 – 60 mm	S	S
59 – 80 mm	M	M
79 – 100 mm	L	L
<b>SPINDLE</b>		
7 mm	07	07
8 mm	08	08
8 mm (fire-retardant version)	F8	F8
9 mm (fire-retardant version)	09	09
10 mm	10	10
<b>FIXING/PLATE WIDTH</b>		
Snap-in plate (41 mm)	A	A
Snap-in plate (53mm)	B	B
Conventional fastening, narrow (41 mm)	C	C
Conventional fastening, wide (53 mm)	D	D
Conventional fastening with MO – internal and outside recess, narrow (41 mm)	E	E
Conventional fastening with MO – internal and outside recess, wide (53 mm)	F	F
Conventional fastening with MO – internal blind / outside recess, narrow (41 mm)	G	G

DIGITAL  
SMART HANDLE –  
SMART INTEGO

// OPTIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
Conventional fastening with MO – internal blind / outside recess, wide (53 mm)	H	H
Conventional fixing with MO – internal recess / outside blind, narrow (41 mm)	I	I
Conventional fixing with MO – internal recess / outside blind, wide (53 mm)	J	J
Conventional fixing with MO – internal and outside blind, narrow (41 mm)	K	K
Conventional fixing with MO – internal and outside blind, wide (53 mm)	L	L
CENTRES DISTANCE*		
Conventional fixing	00	00
70 mm (for snap-in only)	70	70
72 mm (for Snap-in and Mechanical Override only)	72	72
74 mm (for Snap-in and Mechanical Override only)	74	74
75 mm (for Snap-in and Mechanical Override only)	75	75
78 mm (for Snap-in and Mechanical Override only)	78	78
85 mm (for Snap-in and Mechanical Override only)	85	85
88 mm (for Snap-in and Mechanical Override only)	88	88
92 mm (for Snap-in and Mechanical Override only)	92	92
94 mm (for Swiss Round only and for Snap-in and Mechanical Override only)	94	94
VERSION		
Engaged (for SmartHandle without electronics only)	0	0
Engages for use on one side (for all SmartHandles with electronics)	1	1
Engaged one side, DoorMonitoring-functionality with SimonsVoss sensors	2	
Engaged one side, DoorMonitoring with connection to sensor locks	3	
DoorMonitoring with time-controlled return function With no other DoorMonitoring functionality	4	4
EXTERIOR HANDLE VERSION		
L-shaped R (rounded)	A	A
L-shaped G (mitred)	B	B
U-shaped R (rounded)	C	C

\* The centres distance is always 00 with fixing system C, D, K, L

DIGITAL  
SMART HANDLE –  
SMART INTEGO

// OPTIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
U-shaped G (mitred)	D	D
U-shaped R (rounded), offset	E	E
HANDLE VERSION, INSIDE		
L-shaped R (rounded)	A	A
L-shaped G (mitred)	B	B
U-shaped R (rounded)	C	C
U-shaped G (mitred)	D	D
U-shaped R (rounded), offset	E	E
SURFACE		
Stainless steel, brushed	1	1
Brass design (on request)	3	3
READER TECHNOLOGY		
Wireless Online: MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® / EV1/EV2, UID (card serial number) as per ISO 14443 (e.g. MIFARE®, Legic® Advant, HID® SEOS), and Calypso Serial number and 7816-4 elementary file	A	–
Virtual Card Network: MIFARE® Classic or MIFARE® DESFire® / EV1/EV2	–	3
OPTIONS		
Weatherproof version (outer side of SmartHandle only)	WP	WP
Version with security classification ES1 and PAS24	E1	E1
Drilling Protection (only for SO and SKG)	DP	DP
SPINDLE		
Sleeve from 8 mm to 8.5 mm (10 units)	SH.SLEEVES.8.5	SH.SLEEVES.8.5
Sleeve from 7 to 8 mm (10 units)	SH.SLEEVES.7.8	SH.SLEEVES.7.8

## COVER FOR POST-FITTING (EURO/SWISS)

### // COVER

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
Inside cover (narrow) and inlay for retrofit or as replacement	SI.SH.CS	SI.SH.CS
Inside cover (narrow, Euro Profile) and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 72 mm)	SI.SH.CS.xx	SI.SH.CS.xx
Outer cover (narrow) and inlay for retrofit or as a replacement	SI.SH.2.CSP	SI.SH.2.CSP
Outside cover (narrow, Euro Profile) and inlay for retrofit or as a replacement; indicate the centres distance for the cut-out (e.g. 72 mm)	SI.SH.2.CSP.XX	SI.SH.2.CSP.XX
Inside cover (wide) and inlay for retrofit or as replacement	SI.SH.CB	SI.SH.CB
Inside cover (wide, Euro Profile) and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 72 mm)	SI.SH.CB.XX	SI.SH.CB.XX
Outer cover (wide) and inlay for retrofit or as a replacement	SI.SH.2.CBP	SI.SH.2.CBP
Outside cover (wide, Euro Profile) and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 72 mm)	SI.SH.2.CBP.XX	SI.SH.2.CBP.XX
Inside cover (narrow, Swiss Round) and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 78 mm)	SI.SH.CS.SR.I.XX	SI.SH.CS.SR.I.XX
Inside cover (wide, Swiss Round) and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 78 mm)	SI.SH.CB.SR.I.XX	SI.SH.CB.SR.I.XX
Outer cover (narrow, Swiss Round) and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 78 mm)	SI.SH.2.CSP.SR.A.XX	SI.SH.2.CSP.SR.A.XX
Outer cover (wide, Swiss Round) and inlay for retrofit or as replacement; indicate the centres distance for recess (e.g. 78 mm)	SI.SH.2.CBP.SR.A.XX	SI.SH.2.CBP.SR.A.XX

# HANDLES FOR RETRO-FITTING

## // HANDLE

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
SmartHandle lever handle for retrofitting or conversion – L-shape round curved Inside and outside handle – with locking ring and socket screw	SH.LEVA	SH.LEVA
SmartHandle lever handle for retrofitting or conversion – L-shaped with mitre Inside and outside handle – with locking ring and socket screw	SH.LEVB	SH.LEVB
SmartHandle lever handle for retrofitting or conversion – U-shape round curved Inside and outside handle – with locking ring and socket screw	SH.LEVC	SH.LEVC
SmartHandle lever handle for retrofitting or conversion – U-shaped with mitre Inside and outside handle – with locking ring and socket screw	SH.LEVD	SH.LEVD
SmartHandle lever handle for retrofitting or conversion – U-shape round curved elbowed- for metal frame doors – Inside and outside handle – with locking ring and socket screw	SH.LEVE	SH.LEVE
SmartHandle handle for retrofitting or conversion – only for SH with interchangeable lever handles on both sides – U-shape round curved – Inside and outside lever handles with locking ring and Allen screw with antibacterial coating	SH.LEVC.AB	SH.LEVC.AB
Lock ring for interchangeable handle for SmartHandle; contains 10 items:	SH.RING	SH.RING



# DIGITAL SMART HANDLE – SKG – SMART INTEGO

## // BASIC VERSIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
DIGITAL SMART HANDLE – SKG – Smart Intego		
<b>Electronic door fitting – SKG – conventional fixing:</b>		
Electronic door handle for conventional mounting with screws, SKG approval SKG**, with handle lock designed for Euro Profile; outer side can be operated with SmartCards/SmartTags; internal is always engaged	SI.SHA*..C**...ADP*** SI.SHA*..D**...ADP***	SI.SHA*..C**...3DP*** SI.SHA*..D**...3DP***

# DIGITAL SMART HANDLE – SKG – SMART INTEGO

## // OPTIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>PROFILE</b>		
Euro Profile	A	A
<b>DOOR THICKNESS</b>		
32 – 50 mm	S	S
50 – 70 mm	M	M
70 – 90 mm	L	L
<b>SPINDLE</b>		
8 mm	08	08
<b>FIXING/PLATE WIDTH</b>		
Conventional fastening, narrow (47 mm)	C	C
Conventional fastening, wide (59 mm)	D	D
<b>CENTRES DISTANCE</b>		
Conventional fixing for versions C, D, K, L	00	00
<b>VERSION</b>		
Engages for use on one side (for all SmartHandles with electronics)	1	1
Engaged one side, DoorMonitoring-functionality with SimonsVoss sensors	2	–
Engaged one side, DoorMonitoring with connection to sensor locks	3	–
DoorMonitoring with time-controlled return function With no other DoorMonitoring functionality	4	4

# DIGITAL SMART HANDLE – SKG – SMART INTEGO

## // OPTIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>EXTERIOR HANDLE VERSION</b>		
L-shaped R (rounded)	A	A
L-shaped G (mitred)	B	B
U-shaped R (rounded)	C	C
U-shaped G (mitred)	D	D
U-shaped R (rounded), offset	E	E
<b>HANDLE VERSION INSIDE</b>		
Inside thumb-turn	K	K
<b>SURFACE FINISH</b>		
Stainless steel, brushed	1	1
<b>READER TECHNOLOGY</b>		
Wireless Online: MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® / EV1/EV2, UID (card serial number) as per ISO 14443 (e.g. MIFARE®, Legic® Advant, HID® SEOS), and Calypso Serial number and 7816-4 elementary file	A	–
Virtual CardNetwork: MIFARE® Classic or MIFARE® DESFire® / EV1/EV2	–	3
<b>OPTIONS</b>		
Weatherproof version (applies to outer side only)	WP	WP
Drilling Protection	DP	DP

# DIGITAL SMART HANDLE – SCANDINAVIAN OVAL – SMART INTEGO



## // BASIC VERSIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>DIGITAL SMART HANDLE – SCANDINAVIAN OVAL – SI</b>		
<b>Digital SmartHandle – Scandinavian Oval – SI</b>		
Digital door handle for fitting on doors, with handle lock designed for Scandinavian Oval. Outside can be operated with SmartCards/SmartTags; inner side is permanently engaged.	SI.SHB*.....A***	SI.SHB*.....3***
<b>Digital SmartHandle – Scandinavian Oval – SI with MO</b>		
Digital door handle for mounting on doors; additional options for installing a mechanical cylinder as a secondary lock; with handle lock designed for Scandinavian Oval; outside can be operated with SmartCards/SmartTags; inside is permanently engaged ready for use	SI.SHE*.....A***	SI.SHE*.....3***

## // OPTIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>PROFILE</b>		
Scandinavian Oval	B	B
Scandinavian Oval with Mechanical Override (MO)	E	E
<b>DOOR THICKNESS</b>		
33 – 54 mm      30 – 51 mm for versions with drilling protection	S	S
53 – 74 mm      50 – 71 mm for versions with drilling protection	M	M
73 – 94 mm      70 – 91 mm for versions with drilling protection	L	L
<b>SPINDLE</b>		
7 mm	07	07
8 mm	08	08
8 mm (fire-retardant version)	F8	F8
9 mm (fire-retardant version)	09	09
10 mm	10	10

For detailed information on the composition of article No. see p.38

\* Identification number for profile: e.g. A=Europrofile/Swiss Round

\*\* Identification number for fixing/plate width: e.g. C=conventional fixing narrow

\*\*\* Identification number for reading technology/option: e.g. A=Wireless online, WP=weatherproof version

DIGITAL  
 SMART HANDLE –  
 SCANDINAVIAN OVAL –  
 SMART INTEGO

// OPTIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>FIXING/PLATE WIDTH</b>		
Conventional fixing narrow (41 mm: plate width 41 mm / Adapter plate width 48 mm)	C	C
Conventional fixing wide (53 mm: plate width 53mm / Adapter plate width 59 mm)	D	D
Conventional fastening with MO – internal and outside recess, narrow (41 mm)	E	E
Conventional fastening with MO – internal and outside recess, wide (53 mm)	F	F
Conventional fastening with MO – internal blind / outside recess, narrow (41 mm)	G	G
Conventional fastening with MO – internal blind / outside recess, wide (53 mm)	H	H
Conventional fixing with MO – internal recess / outside blind, narrow (41 mm)	I	I
Conventional fixing with MO – internal recess / outside blind, wide (53 mm)	J	J
Conventional fixing with MO – internal and outside blind, narrow (41 mm)	K	K
Conventional fixing with MO – internal and outside blind, wide (53 mm)	L	L
<b>CENTRES DISTANCE</b>		
Extra charge for conventional fixing versions C, D, K, L	00	00
96 mm	96	96
105 mm	05	05

DIGITAL  
SMART HANDLE –  
SCANDINAVIAN OVAL –  
SMART INTEGO

// OPTIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>VERSION</b>		
Engaged (for SmartHandle without electronics only)	0	0
Engages for use on one side	1	1
Engaged f one side, DoorMonitoring with connection to sensor locks	3	–
DoorMonitoring with time-controlled return function With no other DoorMonitoring functionality	4	4
<b>EXTERIOR HANDLE VERSION</b>		
L-shaped R (rounded)	A	A
L-shaped G (mitred)	B	B
U-shaped R (rounded)	C	C
U-shaped G (mitred)	D	D
U-shaped R (rounded), offset	E	E
<b>HANDLE VERSION, INSIDE</b>		
L-shaped R (rounded)	A	A
L-shaped G (mitred)	B	B
U-shaped R (rounded)	C	C
U-shaped G (mitred)	D	D
U-shaped R (rounded), offset	E	E
<b>SURFACE</b>		
Stainless steel, brushed	1	1
Brass design (on request)	3	3

DIGITAL  
 SMART HANDLE –  
 SCANDINAVIAN OVAL –  
 SMART INTEGO

// OPTIONS

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
<b>READER TECHNOLOGY</b>		
Wireless Online: MIFARE® Classic, MIFARE Plus®, MIFARE® DESFire® / EV1/EV2, UID (card serial number) as per ISO 14443 (e.g. MIFARE®, Legic® Advant, HID® SEOS), and Calypso Serial number and 7816-4 elementary file	A	–
Virtual CardNetwork: MIFARE® Classic or MIFARE® DESFire® / EV1/EV2	–	3
<b>OPTIONS</b>		
Weatherproof version (outer side of SmartHandle only)	WP	WP
Drilling Protection	DP	DP

## COVER FOR RETRO-FITTING (SCANDINAVIAN OVAL)

### // COVER

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
Inside cover (narrow, Scandinavian Oval) and inlay for retrofit or as a replacement	SI.SH.CS.SO	SI.SH.CS.SO
Inside cover (narrow, Scandinavian Oval) and inlay for retrofit or as a replacement; indicate the centres distance for the recess (e.g. 105 mm)	SI.SH.CS.SO.xx	SI.SH.CS.SO.xx
Inside cover (wide, Scandinavian Oval) and inlay for retrofit or as a replacement	SI.SH.CB.SO	SI.SH.CB.SO
Inside cover (wide, Scandinavian Oval) and inlay for retrofit or as a replacement; indicate the centres distance for the recess (e.g. 105 mm)	SI.SH.CB.SO.xx	SI.SH.CB.SO.xx
Outside cover (narrow, Scandinavian Oval) for SmartIntego fittings and inlay for retrofit or as a replacement	SI.SH.CSP.SO	SI.SH.CSP.SO
Outer cover (narrow, Scandinavian Oval) for SmartIntego fittings and inlay for retrofit or as a replacement, specify centres distance for cut-out (e.g. 105 mm)	SI.SH.CSP.SO.xx	SI.SH.CSP.SO.xx
Outer cover (wide, Scandinavian Oval) for SmartIntego fittings and inlay for retrofit or as a replacement	SI.SH.CBP.SO	SI.SH.CBP.SO
Outer cover (wide, Scandinavian Oval) for SmartIntego fittings and inlay for retrofit or as a replacement specify centres distance for cut-out (e.g. 105 mm)	SI.SH.CBP.SO.xx	SI.SH.CBP.SO.xx
Outside cover (narrow, Scandinavian Oval) for SmartIntego SmartCard-fittings( RO) and Inlay for retro-fitting or replacement	SI.SH.2.CSP.SO	SI.SH.2.CSP.SO
Outside cover (narrow, Scandinavian Oval) for SmartIntego SmartCard fittings (RO) and inlay for retrofit or as replacement; indicate the centres distance for the recess (e.g. 105 mm)	SI.SH.2.CSP.SO.xx	SI.SH.2.CSP.SO.xx
Outside cover (wide, Scandinavian Oval) for SmartIntego SmartCard-fittings( RO) and Inlay for retro-fitting or replacement	SI.SH.2.CBP.SO	SI.SH.2.CBP.SO
Outside cover (wide, Scandinavian Oval) for SmartIntego SmartCard fittings (RO) and inlay for retrofit or as replacement; indicate the centres distance for the recess (e.g. 105 mm)	SI.SH.2.CBP.SO.xx	SI.SH.2.CBP.SO.xx

# HANDLES FOR RETRO-FITTING

## // HANDLE

Description	WIRELESS ONLINE Order code	VIRTUAL CARD NETWORK Order code
SmartHandle lever handle for retrofitting or conversion – L-shape round curved Inside and outside handle – with locking ring and socket screw	SH.LEVA	SH.LEVA
SmartHandle lever handle for retrofitting or conversion – L-shaped with mitre Inside and outside handle – with locking ring and socket screw	SH.LEVB	SH.LEVB
SmartHandle lever handle for retrofitting or conversion – U-shape round curved Inside and outside handle – with locking ring and socket screw	SH.LEVC	SH.LEVC
SmartHandle lever handle for retrofitting or conversion – U-shaped with mitre Inside and outside handle – with locking ring and socket screw	SH.LEVD	SH.LEVD
SmartHandle lever handle for retrofitting or conversion – U-shape round curved elbowed- for metal frame doors – Inside and outside handle – with locking ring and socket screw	SH.LEVE	SH.LEVE
SmartHandle handle for retrofitting or conversion – only for SH with interchangeable lever handles on both sides – U-shape round curved – Inside and outside lever handles with locking ring and Allen screw – with antibacterial coating	SH.LEVC.AB	SH.LEVC.AB
Lock ring for interchangeable handle for SmartHandle; contains 10 items:	SH.RING	SH.RING

