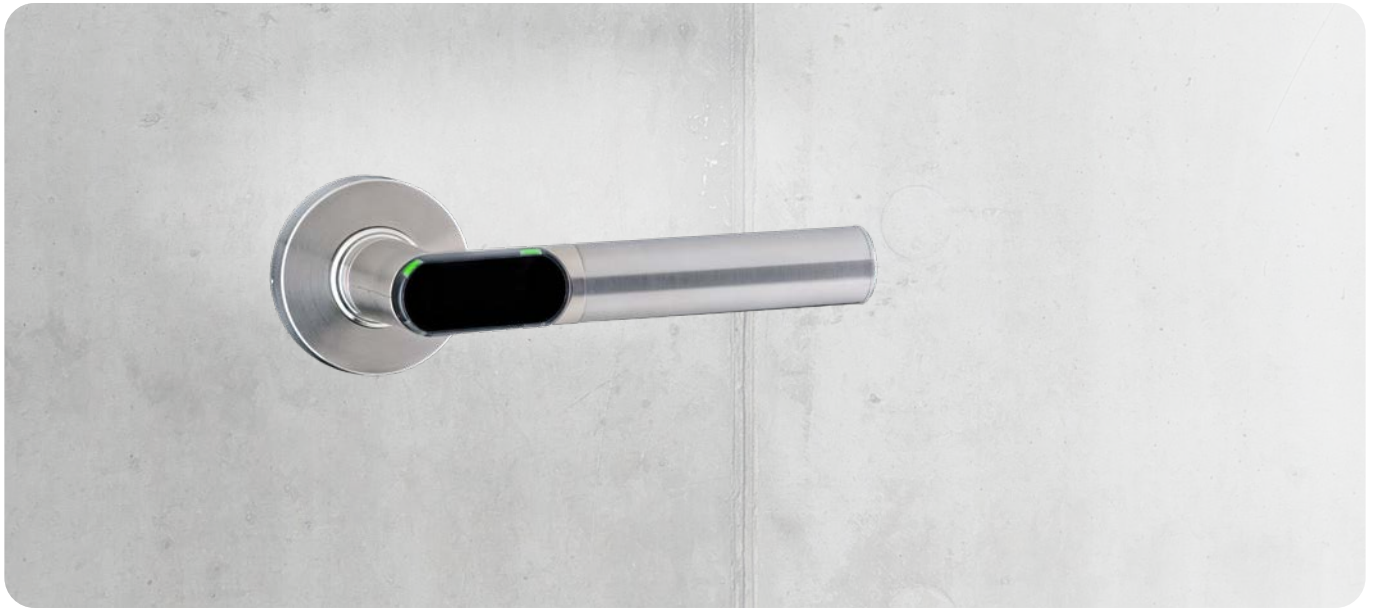


pKT Door handle



The pKT Door handle is a mechatronic fitting that integrates both exterior and interior doors into your electronic access control system.

The reading unit – including the communication electronics – as well as the mechanical components and power supply, are all housed within the door handle itself. A wired power supply is not required.

Compatible with numerous European lock standards, the various models allow for installation in all common door types—including wood, steel, and aluminum doors, as well as narrow-stile doors. Consequently, the pKT door handle is suitable for use in both new construction projects and existing buildings; thanks to its timeless, minimalist stainless steel design, it blends seamlessly into any environment.

Only authorised ID cards can activate the electronic handle to open the door, while the mechanical handle on the opposite side allows for operation without an ID card.

All access permissions are managed centrally within your host system. ID cards receive their access rights – valid for defined time intervals – at a master reader. For security reasons, if not updated, ID cards automatically lose all access rights to the offline components. This ensures that, even in offline mode, access permissions are always verified against the most current data.

The pKT door handle is available in various configurations featuring different handle, rosette, and escutcheon shapes. Specific variants are available for applications such as emergency exit doors, as well as fire and smoke protection doors, and support MIFARE® DESFire® or LEGIC® advant ID card technologies. Furthermore, models are available both with and without cutouts (PZ, CHR) to accommodate an additional mechanical locking cylinder.

Depending on the system configuration, the pKT door handle stores a log of recent events (up to a maximum of 1,000). These events can be transferred to the host system – either via a diagnostic tool or using a dedicated transaction transfer card in conjunction with a master reader – to be subsequently analyzed in the standard manner, in full compliance with data protection regulations.

Features

- › Integration into your existing Primion access control system
- › Toggle mode option
(open with first booking, close with next, open with next, etc.)
- › Compatible with commonly-used European lock standards; existing locks can be used
- › Single CR123A 3V battery, located in the housing, accessible from the outside
- › Permanent external handle engagement possible, without additional power consumption
- › Electronic trim available for both interior and exterior sides
- › Interior version suitable for use on fire and smoke protection doors (depending on product configuration)
- › IP66 version, suitable for outdoor use in a secured area
- › IP66 version suitable for use with fire and smoke-protection doors, depending on model
- › Up to 50,000 operations with one battery set (MIFARE® DESFire®)
- › Up to 30,000 operations with one battery set (LEGIC® advant®)
- › Battery replacement is simple and can be performed from the outside while the unit remains installed, using the provided battery replacement tool
- › Coupling time is programmable: 1 – 99 sec. (Standard: 10 sec.)

Technical data

Technologies	MIFARE® DESFire®, MIFARE Classic® or LEGIC® advant
Power supply	1 x CR123A 3V battery
Battery life	up to 50,000 operations (MIFARE® DESFire®) up to 30,000 operations (LEGIC advant®)
Protection class (DIN EN 60529)	IP40 (Standard version) IP66 (IP66 version)
Fire resistance class	Up to 90 minutes in accordance with DIN EN 1634-1, depending on the fire-rated door used. – Version for fire and smoke protection doors ¹⁾
Event memory	490 (64-digit credential number) 1,000 (16-digit credential number) Event retrieval: 160 events via the transaction transfer card all stored events via the UZ-Diag software
Backset	more than 20 mm (escutcheon variants) more than 25 mm (plate variants)
Mounting location	Indoor (indoor version) Protected outdoor area (IP66 version)
Application area	Standard doors Fire and smoke protection doors ¹⁾ Doors in escape and rescue routes ¹⁾ Glass doors ²⁾
Temperature	Operation + 5 °C to +55 °C (indoor version) -25 °C to +65 °C (IP66 version) Storage -40 °C to +65 °C
Material	Stainless steel – Plate variants Stainless steel design – Escutcheon variants

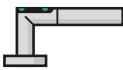
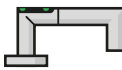
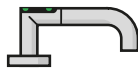
1) Bitte Beachten Sie die Sicherheitshinweise für diesen Einsatzbereich

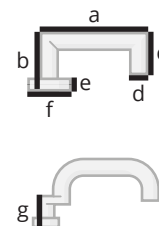
2) In Verbindung mit Ganzglastürschloss DORMA Junior Office Classic, DORMA Junior Office (für vertikale Schlossanordnung), FSB Rechteck Soft, FSB Rechteck (für vertikale Schlossanordnung), DORMA Studio RONDO, Studio CLASSIC (für horizontale Schlossanordnung).

Dimensions

Rose Fittings

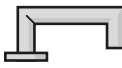
Electronic Door Handle

			
	L-Shape L1	U-Shape U1	U-Shape U2
a	140	140	155
b	76	76	76
c	—	56	56
d	22	22	22
e	13	13	13
f	55	55	55

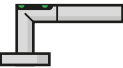
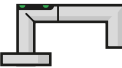
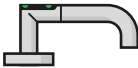


Borehole diameter for handle neck (rose variants) 25 mm

Mechanical Door Handle

				
	L-Shape L1	U-Shape U1	U-Shape U2	U-Shape U2G
a	140	140	152	160
b	70,5	70,5	80	90
c	—	54	55	55
d	22	22	22	22
e	10	10	10	12
f	55	55	55	34
g	—	—	—	41

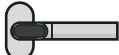
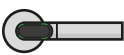
Escutcheon Fittings Electronic Door Handle

			
	L-Shape L1	U-Shape U1	U-Shape U2
a	140	140	155
b	79	79	79
c	—	56	56
d	22	22	22
e	15	15	15

Mechanical Door Handle

				
	L-Shape L1	U-Shape U1	U-Shape U2	U-Shape U2G
a	140	140	152	160
b	74,5	74,5	84	92
c	—	53,5	55	55
d	22	22	22	22
e	15	15	15	15
g	—	—	—	43

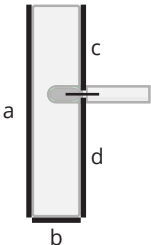
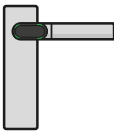
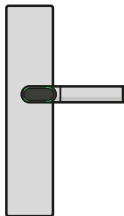
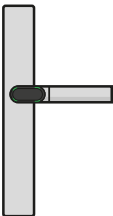
Rosettes
and plates



Round rosette

Oval rosette

Dimensions Ø: 55 75 x 36,1



Long plate
narrow

Long plate
wide

Short plate

a	290,8	290,8	170
b	42,4	64,4	46
c	122,4	122,4	35
d	168,4	168,4	135

existing DIN drill holes can generally be utilised;

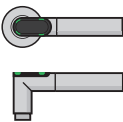
- Standards/Approvals – DIN EN 16867:2020,
insofar as applicable to electronic systems
Category of use: 4
Durability, Class 7 (min. 200,000 test cycles)
Fire and smoke resistance, Class B
Safety of persons, Class 1 (Tensile load for hardware with enhanced safety in use)
– DIN EN 1906:2012, where applicable for electronic systems
– DIN EN 1634-2:2009
– DIN EN 60529:2014
– DIN EN 179:2008
– EN 300 220
– EN 300 330
– EN 62479
– 2014/53/EU
– CE

Variants

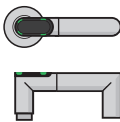
- > Standard
- > Fire and smoke protection doors ¹⁾
- > Fire and smoke protection doors incl. emergency exit doors ¹⁾
- > IP66
- > Glass doors
- > Single- or double-sided access authorization verification
- > Keyway: blind, PZ (profile cylinder), CHR (Swiss round cylinder)
- > Spindle sizes available in 7, 8, 8.5, 9, and 10 mm; continuous spindle
- > Door thickness: 30 to 110 mm

Handle Shapes

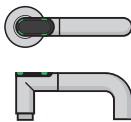
L-Shape L1



U-Shape U1

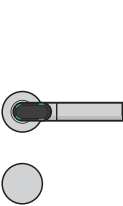


U-Shape U2

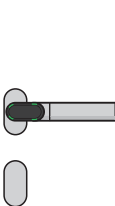


Rosette and Escutcheon Shapes

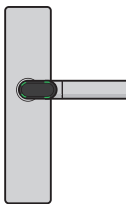
Round Rosette



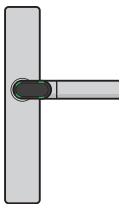
Oval Rosette



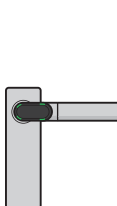
Long plate wide



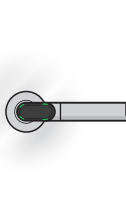
Long plate narrow



Short plate



for glass door lock



Possible Variant Combinations

internal		mechanical					electronic			
external	electronic									
			✓	○	○	○	○	✓	○	○
			○	✓	○	○	○	○	✓	○
			○	✓	✓	○	○	○	✓	○
			✓	○	○	✓	○	○	○	✓
			○	○	○	○	✓	○	○	○

¹⁾ Please observe the safety guidelines for this specific application area.

Ordering Information

pKT Door handle – Versions

I185-XYZABCDEF.01 LEGIC – LEGIC advant®, LEGIC prime

I186-XYZABCDEF.01 MIFARE® – MIFARE Classic®, MIFARE® DESFire® EV1

XX	11	Round rosette without key rosettes
	12	Round rosette with key rosettes blind
	13	Round rosette with key rosettes, PC
	14	Round rosette with key rosettes, CHR
	21	Oval rosette without key rosettes
	22	Oval rosette with blind rosettes
	23	Oval rosette with key rosettes, PC
	24	Oval rosette with key rosettes, CHR
	31	Short plate, inside plate, blank
	32	Short plate, inside plate, PC
	33	Short plate, inside plate, CHR
	41	Long plate, narrow, inside plate, blank
	42	Long plate, narrow, inside plate, PC
	43	Long plate, narrow, inside plate, CHR
	44	Long plate, narrow, inside rosettes, blank
	45	Long plate, narrow, inside rosettes, PC
	46	Long plate, narrow, inside rosettes, CHR
	51	Long plate, wide, inside plate, blank
	52	Long plate, wide, inside plate, PC
	53	Long plate, wide, inside plate, CHR
	54	Long plate, wide, inside rosettes, blank
	55	Long plate, wide, inside rosettes, PC
	56	Long plate, wide, inside rosettes, CHR
Y Door leaf thickness	1	Door leaf thickness 30-38 mm
	2	Door leaf thickness 39-47 mm
	3	Door leaf thickness 48-56 mm
	4	Door leaf thickness 57-65 mm
	5	Door leaf thickness 66-74 mm
	6	Door leaf thickness 75-83 mm
	7	Door leaf thickness 84-92 mm
	8	Door leaf thickness 93-101 mm
	9	Door leaf thickness 102-110 mm
Z Handle versions	0	L-Shape L1
	1	U-Shape U1
	2	U-Shape U2
	3	U-Shape U2G
A Material	0	Stainless steel
B Handles	1	Electronic door handle left pointing / Mechanical door handle right pointing
	2	Electronic door handle right pointing / Mechanical door handle left pointing
	3	Electronic door handle on both sides – inside left pointing / outside right pointing
	4	Electronic door handle on both sides – inside right pointing / outside left pointing
C Square	0	7 mm
	1	8 mm
	2	9 mm
	3	10 mm
	4	8.5 mm

D	Version	0	Standard
		1	Version for fire- and smoke-protection doors
		2	Version for fire- and smoke-protection doors including escape doors
		3	Version IP66
		4	Version IP66 for fire- and smoke-protection doors
		5	Version IP66 for fire- and smoke-protection doors including escape doors

Only required with the plate option: Always select 0 with the rosette option

E	Distance	0	Without
		1	70 mm
		2	72 mm
		3	74 mm
		4	78 mm
		5	85 mm
		6	88 mm
		7	92 mm
		8	94 mm
F	Through-hole	0	Rosette set, without through-bolt kit
		1	Escutcheon set, with through-bolt kit

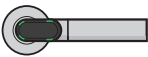
Accessories / Spare parts

Z071-090.01	Lithium battery, CR123A 3 V
Z230-003.01	Universal drilling template (BL 305.6.10U)
Z220-001.01	Wireless adapter with diagnostics / programming unit (incl. USB interface) for technicians
Z223-677100000004.01	Seal kit for IP66 electronic door handle
Z230-002.01	Installation tool;
	– Gauge for determining cylinder lengths and door leaf thicknesses
Z270-003.01	Renovation adapter plate (SET) pKT Door handle
	for covering drilled holes for previously installed Comfort door terminals

When used in conjunction with a full-glass door lock with a horizontal configuration, a screw fitting rotated by 90° is required. Please specify this separately in your order.

Configuration examples

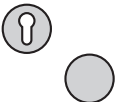
Electronic door handle
As version with round rosette



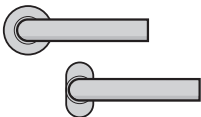
Handle version
L-Shape L1



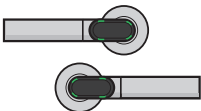
Door handle key rosette
Round rosette, profile cylinder /
Round rosette, blank



Mechanical door handle
Round rosette
Oval rosette



Handle
left pointing /
right pointing



-  **Safety advice**
In order to avoid the possibility of hand injuries when opening and closing the door and to increase the user comfort, there should be a safety distance between the handle and the door frame. This must be at least 25 mm, to comply with GUV-V SI*.
- * GUV: German accident insurance Health & Safety regulations.
-  **Safety advice**
For the use of pKT door handles in fire and smoke protection doors, please observe the General Building Authority Approval applicable to the specific fire protection door being used.
Primion door handle sets in the "Fire Protection" variant (indicated by a 1 or 2 in section "D" of the article number) are structurally identical to the mechatronic fittings—specifically products 4172F and 4174F – manufactured by Uhlmann & Zacher GmbH.
-  **Safety advice**
The variant designed for fire and smoke protection doors complies with the requirements of the European standard DIN EN 16867:2020. For the 9 mm square spindle version, General Building Authority Approval No. Z-6.100-2600 has been granted by the German Institute for Building Technology (DIBt).
-  **Safety advice**
Approved for installation in emergency exit devices in accordance with DIN EN 179, provided that the products are listed in the lock manufacturer's certification. Primion door handle sets in the "Emergency Exit Door" variant (indicated by a 2 in section "D" of the article number) are structurally identical to the mechatronic fittings – specifically products 4172, 4174, CXx172, and CXx174—manufactured by Uhlmann & Zacher GmbH.
-  **Safety advice**
When using pKT door handles as components of doors located in escape and rescue routes, please note that—in accordance with DIN EN 179 – only those handle shapes featuring a U-bend curved back toward the door leaf (models U1, U2, and U2G) are permissible.
-  **Safety advice**
When using pKT door handles in conjunction with a panic lock, a panic lock equipped with a split spindle (Changeover Function E) is required.