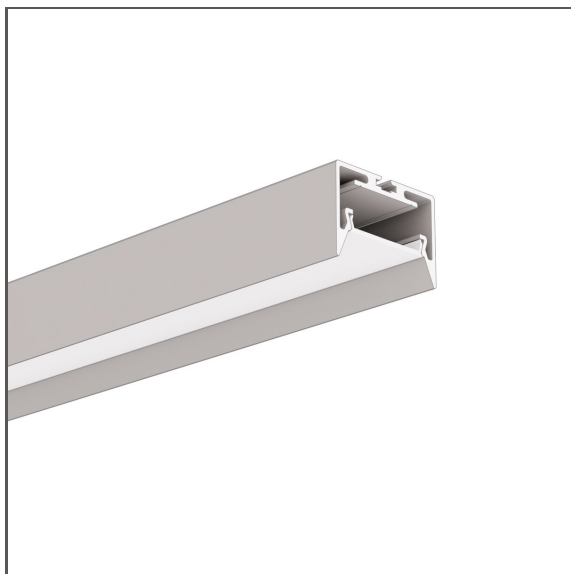


Profile GIZA-LL-ZMG

Ref. A04501



IP20



- Reduced glare by recessing the cover in the profile
- Smooth profile walls
- Higher efficiency from the lighting fixture when using the DILENSO cover
- No light gaps at the ends of the profiles
- Reduced light gaps on profile joints when the Blocker is used
- Wide range of accessories
- Possibility to use current modules with efficiency up to 190lm/W and CRI>90. Available upon request.

APPLICATION

- main and decorative lighting

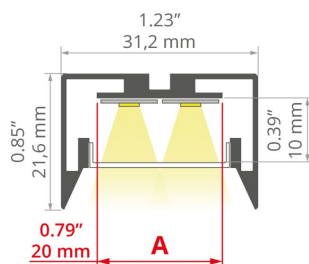
MOUNTING

- to the surface or suspended, using dedicated accessories

ADDITIONAL INFORMATION

- thanks to the use of a dedicated blocker, visible light slits are avoided in the places where individual sections of the profile are joined
- when choosing a different length of profiles / covers than available in the standard, you should additionally choose the cutting service at KLUŚ
- NCS Premium paint option - minimum order quantity 30pcs - available on order within 14 days

TECHNICAL DRAWING



TECHNICAL SPECIFICATIONS

Material	aluminum
Possible fixture IP	20
Possible fixture shapes	linear, polygonal
Profile cross-section	rectangular
Length	2005 mm
Width	31.2 mm
Height	21.6 mm
LED gluing width A	20 mm
Number of LED strips A (8 mm wide)	2
Width of the glow	22 mm
Max power of a single KLUŚ LED strip	24 W/m
Possibility of obtaining a line of light	yes
Building type	Commercial, Retail, Entertainment/ Arts
Facility zone	office, lobby / foyer, decorative, media rooms / av

Color	Ref
 sand (NCSS2010-Y30R) lacquered	A04501L110D_2
 light sage (NCSS2010-G50Y) lacquered	A04501L120D_2
 pastel blue (NCSS2010-B) lacquered	A04501L130D_2
 caramel (NCSS3030-Y60R) lacquered	A04501L140D_2

Standard lengths of KLUŚ profiles and covers: 1000 mm (tolerance ± 1.5 mm) and 2005 mm / 3010 mm (tolerance + 5 mm)
for selected covers: 6050 mm, 10050 mm (tolerance + 5 mm)

Profile GIZA-LL-ZMG

Ref. A04501

The cover is cut to the length of the profile	yes
Can be easily connected into runs	yes

LINE OF LIGHT TABLE

LED tape	LIGER-22 satin	LIGER-22 black	HS-22 frosted	BENCO-22 frosted
K-1275-24	✓ (2)	X	X	✓ (2)
K-0960-24	✓ (2)	X	✓ (2)	✓ (2)
K-1440-24	✓ (2)	X	✓ (2)	✓ (2)
K-HD-0480-24	✓ (2)	X	✓ (2)	✓ (2)
K-HD-0960-24	✓ (2)	X	✓ (2)	✓ (2)
K-HD-1440-24	✓ (2)	X	✓ (2)	✓ (2)
K-2300-24	✓ (2)	X	X	✓ (2)
K-2400-24	✓ (2)	X	✓ (2)	✓ (2)
K-CR-1220-24	✓ (2)	X	X	✓ (2)
K-CR-1275-24	✓ (2)	X	X	✓ (2)
K-CRHD-1820-24	✓ (2)	HL (2)	✓ (2)	✓ (2)
K-CRHD-1910-24	✓ (2)	HL (2)	✓ (2)	✓ (2)
K-CR-0960-24	✓ (2)	X	✓ (2)	✓ (2)
K-CR-1440-24	✓ (2)	X	✓ (2)	✓ (2)
K-HEHD-0480-24	✓ (2)	X	✓ (2)	✓ (2)
K-HEHD-0960-24	✓ (2)	X	✓ (2)	✓ (2)
K-HEHD-1440-24	✓ (2)	X	✓ (2)	✓ (2)
K-HEHD-1920-24	✓ (2)	X	✓ (2)	✓ (2)
K-VHE-0480-24	✓ (2)	X	✓ (2)	✓ (2)
K-VHE-0960-24	✓ (2)	X	✓ (2)	✓ (2)
K-VHE-1440-24	✓ (2)	HL (2)	✓ (2)	✓ (2)
K-RGB-0700-24V	✓ (2)	X	X	✓ (2)
K-RGB-1200-24	✓ (2)	X	X	✓ (2)
K-27T50-1440-24	✓ (2)	X	✓ (2)	✓ (2)
K-SD-1440-24	✓ (2)	X	✓ (2)	✓ (2)

Description

✓ - Line of Light for a number (X) of rows - Pixel free imaging

X - Visible Dotting from Diodes

HL - Centered Line of Light - Concentrated in middle

HL (X) - Centered Line of Light for a number (X) of rows - Concentrated in middle

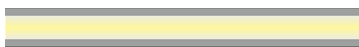
Profile GIZA-LL-ZMG

Ref. A04501

Line of Light Guide



Clean Line of Light (Pixel free imaging)

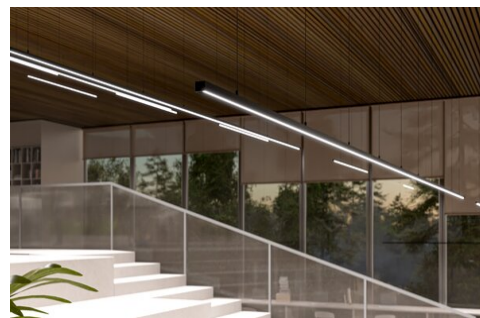
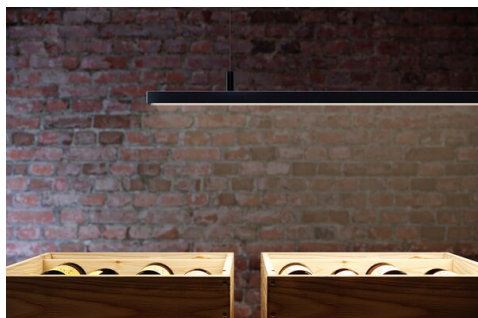
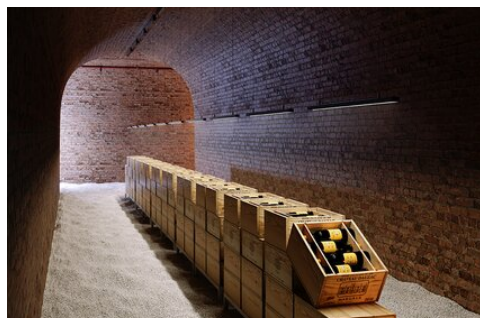


Centered Line of Light



Visible Dotting from Diodes

SAMPLE PROJECTS



SIMILAR PROFILES



Profile GIZA-LL-UST
A02724



Profile GIZA-LL-T
A02479



Profile GIZA-DUO-LL
A02162



Profile GIZA-LL
A00758



Profile KOZUS
A07823



Profile KOZUS-CR
A00600

Profile GIZA-LL-ZMG

Ref. A04501

RELATED ACCESSORIES > COVERS

NAME		KEY FEATURES	MATERIAL	MATERIAL TRANSMITTANCE	COLOR	REF.
Focusing cover DILENSO-22 30°DEG		- indoor use - focusing	PC	63 %	semi-transparent	B17173T
Cover LIGER-22		- high light quality - For indoor and outdoor applications - Ease of obtaining a line of light - Perfectly diffusing	PC	22 %	black	B17032B
				70 %	satın	B17032S
Cover HS-22		- For indoor and outdoor applications - UV resistant	PC	65 %	frosted	B17011F
				88 %	clear	B17011C
				90.5 %	microprism	B17011M
Cover BENCO-22		- For indoor and outdoor applications - UV resistant	Silikon	62 %	frosted	B17209F

RELATED ACCESSORIES > END CAPS

NAME		MATERIAL	COLOR	REF.
End cap GIZA-LL-ZMG		ABS	black	C24467C07
			caramel (NCSS3030-Y60R)	C24467L14
			gray	C24467C02
			light sage (NCSS2010-G50Y)	C24467L12
			pastel blue (NCSS2010-B)	C24467L13
			sand (NCSS2010-Y30R)	C24467L11

RELATED ACCESSORIES > RELATED LED > HIGH EFFICACY

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-HEHD-0480-24	- CRI over 95 - High Efficacy	20	4.8 W/m	K-HEHD22-0480-24 K-HEHD25-0480-24 K-HEHD27-0480-24 K-HEHD30-0480-24 K-HEHD35-0480-24 K-HEHD40-0480-24 K-HEHD50-0480-24
LED tape K-VHE-0480-24	- universal for basic applications - high efficacy - High Efficacy	20	4.8 W/m	K-VHE27-0480-24 K-VHE30-0480-24 K-VHE35-0480-24 K-VHE40-0480-24 K-VHE50-0480-24

Profile GIZA-LL-ZMG

Ref. A04501

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-HEHD-0960-24	- CRI over 95 - High Efficacy	20	9.6 W/m	K-HEHD22-0960-24 K-HEHD25-0960-24 K-HEHD27-0960-24 K-HEHD30-0960-24 K-HEHD35-0960-24 K-HEHD40-0960-24 K-HEHD50-0960-24
LED tape K-VHE-0960-24	- universal for basic applications - high efficacy - High Efficacy	20	9.6 W/m	K-VHE27-0960-24 K-VHE30-0960-24 K-VHE35-0960-24 K-VHE40-0960-24 K-VHE50-0960-24
LED tape K-HEHD-1440-24	- CRI over 95 - High Efficacy	20	14.4 W/m	K-HEHD22-1440-24 K-HEHD25-1440-24 K-HEHD27-1440-24 K-HEHD30-1440-24 K-HEHD35-1440-24 K-HEHD40-1440-24 K-HEHD50-1440-24
LED tape K-VHE-1440-24	- universal for basic applications - high efficacy - High Efficacy	20	14.4 W/m	K-VHE27-1440-24 K-VHE30-1440-24 K-VHE35-1440-24 K-VHE40-1440-24 K-VHE50-1440-24
LED tape K-HEHD-1920-24	- CRI over 95 - High Efficacy	20	19.2 W/m	K-HEHD22-1920-24 K-HEHD25-1920-24 K-HEHD27-1920-24 K-HEHD30-1920-24 K-HEHD35-1920-24 K-HEHD40-1920-24 K-HEHD50-1920-24

RELATED ACCESSORIES > RELATED LED > RGB / RGB-W / RGB-CCT

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-RGB-0700-24V	- RGB	20	7 W/m	K-RGB-0700-24V
LED tape K-RGB-1200-24	- RGB	20	12 W/m	K-RGB-1200-24
LED tape K-RGB27T65-1200-24	- RGB+Tunable White	20	12 W/m	K-RGB27T65-1200-24
LED tape K-RGB-1560-24	- RGB	20	15.7 W/m	K-RGB-1560-24

RELATED ACCESSORIES > RELATED LED > BENDABLE

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-VBT-0720-24	- LED tape for bent profiles	20	7.2 W/m	K-VBT27-0720-24 K-VBT30-0720-24 K-VBT35-0720-24 K-VBT40-0720-24 K-VBT50-0720-24
LED tape K-BTRGB40-1510-24		20	15.1 W/m	K-BTRGB40-1510-24

RELATED ACCESSORIES > RELATED LED > CRI 95+

Name	Key features	IP protection rating	Power consumption	Ref.
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Profile GIZA-LL-ZMG

Ref. A04501

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-CR-0480-24	- universal for basic applications - CRI over 95	20	4.8 W/m	K-CR27-0480-24 K-CR30-0480-24 K-CR35-0480-24 K-CR40-0480-24 K-CR50-0480-24
LED tape K-CR-1210-24	- CRI over 95	20	4.8 W/m	K-CR22-1210-24 K-CR25-1210-24 K-CR27-1210-24 K-CR30-1210-24 K-CR35-1210-24 K-CR40-1210-24 K-CR50-1210-24
LED tape K-CRHD-1910-24	- CRI over 95 - high LED density	20	9.1 W/m	K-CRHD22-1910-24 K-CRHD25-1910-24 K-CRHD27-1910-24 K-CRHD30-1910-24 K-CRHD35-1910-24 K-CRHD40-1910-24 K-CRHD50-1910-24
LED tape K-CR-0960-24	- universal for basic applications - CRI over 95	20	9.6 W/m	K-CR27-0960-24 K-CR30-0960-24 K-CR35-0960-24 K-CR40-0960-24 K-CR50-0960-24
LED tape K-CR-1220-24	- CRI over 95	20	9.6 W/m	K-CR22-1220-24 K-CR25-1220-24 K-CR27-1220-24 K-CR30-1220-24 K-CR35-1220-24 K-CR40-1220-24 K-CR50-1220-24
LED tape K-CR-1275-24	- CRI over 95	20	14.4 W/m	K-CR22-1275-24 K-CR25-1275-24 K-CR27-1275-24 K-CR30-1275-24 K-CR35-1275-24 K-CR40-1275-24 K-CR50-1275-24
LED tape K-CR-1440-24	- universal for basic applications - CRI over 95	20	14.4 W/m	K-CR27-1440-24 K-CR30-1440-24 K-CR35-1440-24 K-CR40-1440-24 K-CR50-1440-24
LED tape K-CRHD-1820-24	- CRI over 95 - high LED density	20	18.25 W/m	K-CRHD22-1820-24 K-CRHD25-1820-24 K-CRHD27-1820-24 K-CRHD30-1820-24 K-CRHD35-1820-24 K-CRHD40-1820-24 K-CRHD50-1820-24
LED tape KWP-CR-0480-24	- universal for basic applications - CRI over 95	65	4.8 W/m	KWP-CR27-0480-24 KWP-CR30-0480-24 KWP-CR35-0480-24 KWP-CR40-0480-24 KWP-CR50-0480-24
LED tape KWP-CR-0960-24	- universal for basic applications - CRI over 95	65	9.6 W/m	KWP-CR27-0960-24 KWP-CR30-0960-24 KWP-CR35-0960-24 KWP-CR40-0960-24 KWP-CR50-0960-24

RELATED ACCESSORIES > RELATED LED > WHITE MONO

Profile GIZA-LL-ZMG

Ref. A04501

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-0480-24	- universal for basic applications	20	4.8 W/m	K-27-0480-24 K-30-0480-24 K-35-0480-24 K-40-0480-24 K-50-0480-24
LED tape K-HD-0480-24	- high LED density - Ease of obtaining a line of light	20	4.8 W/m	K-HD27-0480-24 K-HD30-0480-24 K-HD35-0480-24 K-HD40-0480-24 K-HD50-0480-24
LED tape K-0960-24	- universal for basic applications	20	9.6 W/m	K-27-0960-24 K-30-0960-24 K-30-0960-24-R30 K-35-0960-24 K-40-0960-24 K-40-0960-24-R30 K-50-0960-24 K-65-0960-24
LED tape K-HD-0960-24	- high LED density - Ease of obtaining a line of light	20	9.6 W/m	K-HD27-0960-24 K-HD30-0960-24 K-HD35-0960-24 K-HD40-0960-24 K-HD50-0960-24
LED tape K-1275-24	- universal for basic applications	20	14.4 W/m	K-22-1275-24 K-25-1275-24 K-27-1275-24 K-30-1275-24 K-35-1275-24 K-40-1275-24 K-50-1275-24
LED tape K-1440-24	- universal for basic applications	20	14.4 W/m	K-27-1440-24 K-30-1440-24 K-30-1440-24-R30 K-35-1440-24 K-40-1440-24 K-40-1440-24-R30 K-50-1440-24
LED tape K-HD-1440-24	- high LED density - Ease of obtaining a line of light	20	14.4 W/m	K-HD27-1440-24 K-HD30-1440-24 K-HD35-1440-24 K-HD40-1440-24 K-HD50-1440-24
LED tape K2-1920-24	- LED double-row strip - quick installation	20	19.2 W/m	K2-27-1920-24 K2-30-1920-24 K2-35-1920-24 K2-40-1920-24 K2-50-1920-24
LED tape K-2300-24	- high power	20	23 W/m	K-30-2300-24 K-40-2300-24
LED tape K-2400-24	- high power	20	24 W/m	K-27-2400-24 K-30-2400-24 K-35-2400-24 K-40-2400-24 K-50-2400-24
LED tape KWP-0480-24	- universal for basic applications	65	4.8 W/m	KWP-27-0480-24 KWP-30-0480-24 KWP-35-0480-24 KWP-40-0480-24 KWP-50-0480-24
LED tape KWP-GHD-0480-24	- high LED density - Ease of obtaining a line of light	65	4.8 W/m	KWP-GHD27-0480-24 KWP-GHD30-0480-24 KWP-GHD35-0480-24 KWP-GHD40-0480-24 KWP-GHD50-0480-24

Profile GIZA-LL-ZMG

Ref. A04501

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape KWP-0960-24	- universal for basic applications	65	9.6 W/m	KWP-27-0960-24 KWP-30-0960-24 KWP-35-0960-24 KWP-40-0960-24 KWP-50-0960-24 KWP-65-0960-24
LED tape KWP-GHD-0960-24	- high LED density - Ease of obtaining a line of light	65	9.6 W/m	KWP-GHD27-0960-24 KWP-GHD30-0960-24 KWP-GHD35-0960-24 KWP-GHD40-0960-24 KWP-GHD50-0960-24
LED tape KWP-1440-24	- universal for basic applications	65	14.4 W/m	KWP-27-1440-24 KWP-30-1440-24 KWP-35-1440-24 KWP-40-1440-24 KWP-50-1440-24
LED tape KWP-GHD-1440-24	- high LED density - Ease of obtaining a line of light	65	14.4 W/m	KWP-GHD27-1440-24 KWP-GHD30-1440-24 KWP-GHD35-1440-24 KWP-GHD40-1440-24 KWP-GHD50-1440-24

RELATED ACCESSORIES > RELATED LED

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-SD-1440-24		20	14.4 W/m	K-SD27-1440-24 K-SD30-1440-24 K-SD35-1440-24 K-SD40-1440-24
LED tape KWP-RGB-1200-120-24	- RGB	65	12 W/m	KWP-RGB-1200-120-24

RELATED ACCESSORIES > RELATED LED > ADJUSTABLE WHITE / DIM TO WARM

Name	Key features	IP protection rating	Power consumption	Ref.
LED tape K-27T50-1440-24	- RGB+Tunable White	20	14.4 W/m	K-27T50-1440-24

RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > MOUNTING BRACKETS

Name	Key features	Material	Color	Ref.
Fastener set NEO-ZM-3	- 3 pieces for heavy fixtures	magnet	 silver	C28105N00
Fastener set NEO-ZM-4	- 4 pieces for light fixtures	magnet	 silver	C28106N00
Fastener set NEO-ZM-PLUS-3	- 3 pieces for heavy fixtures	magnet	 silver	C28107N00
Fastener set NEO-ZM-PLUS-4	- 4 pieces for heavy fixtures	magnet	 silver	C28108N00

RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > FASTENERS AND HEADS FOR PROFILES

Name	Key features	Material	Color	Ref.
Fastener FI-8-LIN-ZM	- Installation in the ZM system	stainless steel, PA	 silver  white  black	C28170N00 C28170L10 C28170L07
Fastener UCHO-ZM	- Convenient mounting in the ZM system	aluminum	 silver anodized  black anodized	C28192N00 C28192L07

Profile GIZA-LL-ZMG

Ref. A04501

Name	Key features	Material	Color	Ref.
Fastener FI-8-PRET-ZM	- Installation in the ZM system	stainless steel	 silver	C28189N00
		aluminum	 white	C28189L10
		aluminum	 black	C28189L07

RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > CONDUCTIVE FASTENERS AND HEADS FOR PROFILES

Name	Key features	Material	Color	Ref.
Fastener FI-8-LIN-ZMZ	- Power supply - mounting in the ZM system	stainless steel, steel, PA, EPDM	 silver	C28171N00
		aluminum, PA, EPDM	 white	C28171L10
		aluminum, PA, EPDM	 black	C28171L07
Fastener PUSZ-LIN-ZM	- Power supply cable - mounting in the ZM system	stainless steel, brass, nylon,	 silver	C28160N00
		aluminum	 white lacquered	C28160L10
		aluminum, brass, nylon	 black lacquered	C28160L07
Fastener PUSZ-PRET-ZM	- Power supply cable - mounting in the ZM system	stainless steel, brass, nylon	 silver	C28161N00
		aluminum, brass, nylon	 white	C28161L10
		aluminum, brass, nylon	 black	C28161L07
Fastener PUSZ-ZM	- Power supply - mounting in the ZM system	stainless steel	 silver	C20010N00
		aluminum	 white lacquered	C20010L10
		aluminum	 black lacquered	C20010L07

RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > CANOPIES

Name	Key features	Material	Color	Ref.
Canopy BOX-M600 NEW		aluminum	 silver anodized	C24542A
			 white lacquered	C24542L10
			 black anodized	C24542A07
Canopy Fi-60mm	- Convenient cable length adjustment, in the ZM system	steel	 gray lacquered	C24540L01
			 white lacquered	C24540L10
			 black lacquered	C24540L07
Canopy BOX-M70		aluminum	 silver anodized	C24541A
			 white lacquered	C24541L10
			 black anodized	C24541A07

RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > SUSPENSION AND MOUNTING SETS

Name	Key features	Material	Color	Ref.
Fastener set RD-3	- Smooth cable adjustment	brass	 silver glossy	C28233P00
			 silver satin	C28233P01
			 white lacquered	C28233L10
			 black lacquered	C28233L07
Fastener set RD-4	- Smooth cable adjustment, angled mounting	brass	 silver glossy	C28234P00
			 silver satin	C28234P01
			 white lacquered	C28234L10
			 black lacquered	C28234L07
Fastener set RD-2	- Smooth cable adjustment, angled mounting, cable included	brass	 silver glossy	C28232P00
			 silver satin	C28232P01
			 white lacquered	C28232L10
			 black lacquered	C28232L07
Fastener set RD-1	- Smooth cable adjustment, cable included	brass	 silver glossy	C28231P00
			 silver satin	C28231P01
			 white lacquered	C28231L10
			 black lacquered	C28231L07
Fastener set FI-8-ZM-1	- Power supply, for wall and drywall, in the ZM system	stainless steel, aluminum	 silver	C28134N00
			 white lacquered	C28134L10
			 black lacquered	C28134L07

Profile GIZA-LL-ZMG

Ref. A04501

Name	Key features	Material	Color	Ref.
Fastener set FI-8-ZM-2	- Convenient cable length adjustment, in the ZM system	stainless steel, aluminum	 silver  white lacquered  black lacquered	C28135N00 C28135L10 C28135L07
Fastener set PUSZ-ZM-1	- Power supply, for wall and drywall, in the ZM system	stainless steel, aluminum	 silver  white lacquered  black lacquered	C28130N00 C28130L10 C28130L07
Fastener set PUSZ-ZM-2	- Convenient cable length adjustment, in the ZM system	stainless steel, aluminum	 silver  white lacquered  black lacquered	C28131N00 C28131L10 C28131L07

RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > SURFACE SPRINGS

Name	Material	Color	Ref.
Spring GP	stainless steel	 silver	C24500N00

RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > LATCHES

Name	Key features	Material	Color	Ref.
Adapters set ZM-10		PC	 transparent	C29000C00
Adapters set ZM-16	- Connection of the ZM system with the 45-STN mount	PC	 transparent	C29001C00

RELATED ACCESSORIES > OTHER RELATED ACCESSORIES > CONNECTORS

Name	Key features	Material	Color	Ref.
Blocker	- Eliminates overexposure at profile connection points	Material, Material, multiselect	 gray colored	C40707C02
Connector ZM-NA		stainless steel	 silver	42305 42339 42723 42724 42725 C28242N00
Connector ZM-NA-PION		stainless steel	 silver	42315 42317 42321 42726 42727

RELATED ACCESSORIES > ELECTRONICS > SWITCHES

Name	Key features	IP protection rating	Ref.
Proximity switch UNI-11	- touchless switch - width 11mm	20	E61603
Proximity switch UNI-P	- touchless switch - width only 7mm - factory pre-soldered wires	20	E61580
Proximity switch UNI	- touchless switch - width only 7mm	20	E61579
Proximity switch UNI-11P	- touchless switch - width 11mm - factory pre-soldered wires	20	E61604