

Click50

Modular outlet platform guide



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Technetix Group Limited

05/2019 - EN/V14

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Introduction

Technetix' Click50 (CL50) is a premises outlet solution designed to meet DOCSIS 3.1 (2 GHz) potential market demands. The system is designed with network migration in mind, reducing installer time and future truck rolls.

This modular solution can be configured with upgradable components when migrating networks from an HFC network to PON. It is entirely future-proof, simple-to-install, easy-to-upgrade and can operate in RF and optical networks simultaneously.

The CL50 outlet series is designed to operate at 2 GHz - using high performance isolators with Technetix CPD Safe™ embedded technology, providing full protection against hazardous surge voltages and mains faults. Very high screening efficiency avoids interference and the series is optimised to provide excellent LTE frequency screening (digital dividend).

Available in:

- Three colours: signal white, pure white and traffic black
- All standard European frame sizes

RoHS and WEEE compliant, CE marked.

Benefits:

- Modular, quick and easy-to-install
- Allows easy migration from coax, to hybrid, to fibre networks
- Compatible with other 50 x 25 mm click in modules (euro modules)
- Compact and aesthetically pleasing
- Flexible and can be configured to suit most applications
- The CL50 platform has scope for development and the addition of modular custom features.

Why Click50 instead of traditional single use outlets?

CL50 isn't just a platform to make upgrading premises to FTTH easier. The platform is compatible with third party 50 x 25 mm modules too, so customers are able to add AV, network and other telecoms ports for residential and commercial use. The CL50 solution addresses the needs of a changing market, while providing enhancements to legacy in-home networks across the world.

Colours

The CL50 range is available in three different colours. Please see page 23 for a full list of products.



Pure white



Signal white

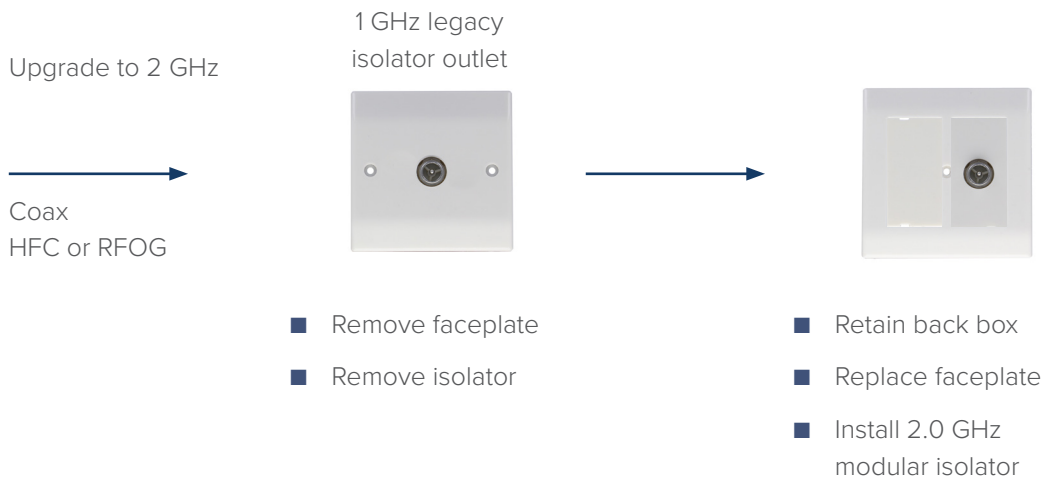


Traffic black

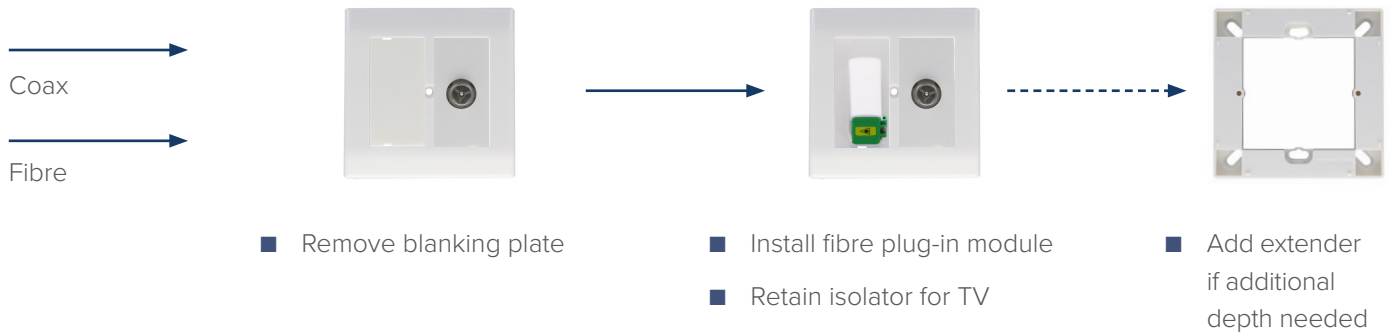
Application diagrams

Legacy upgrade

Upgrading from 1 GHz to DOCSIS 3.1 (2 GHz)

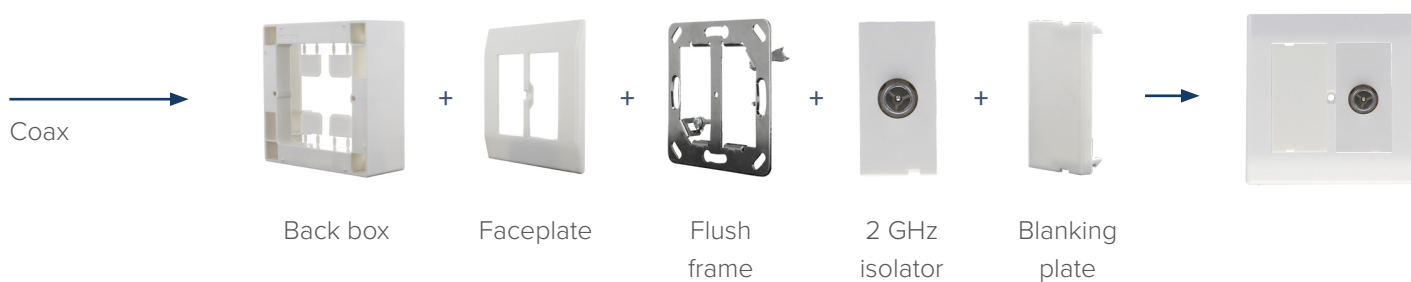


Upgrade to FTTH with CATV overlay

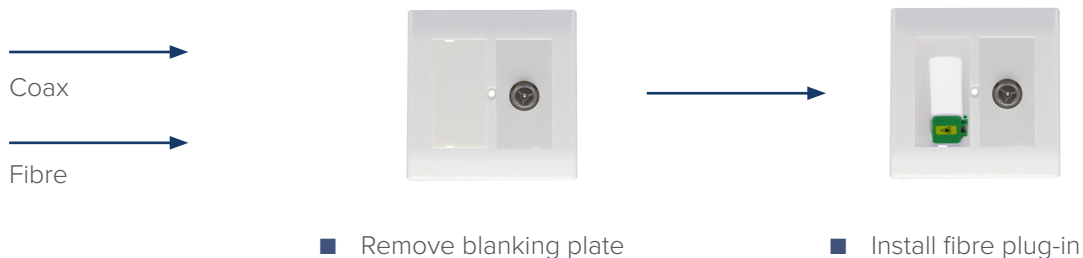


New build

A full set of accessories is available to build a wall outlet from new. Upgrade to FTTH with CATV overlay.



Upgrade to FTTH with CATV overlay



Upgrade to network with a CATV overlay



CL50-DGFF-XX Double galvanic isolator

- 2 GHz single output double galvanic isolator
- Compact design
- Fits 25 mm × 50 mm euro module outlet socket
- 45 degree F female outlet port
- Flexible mini-coax fly lead input with F-type female connector
- Exceeds EN Class A +10 dB screening requirements
- Input F connector secured with 85 mm insulation sleeve



Overview

The CL50-DGFF-XX is a high performance 2 GHz barrel isolator with excellent RF and EMC performance, designed to be fully compatible with the CL50 mounting system.

Isolators (frequently referred to as system outlets) are used to separate the in-home installation or subscriber equipment from the CATV network. They prevent hazardous voltages from being transferred to in-home installations.

Technetix supplies two major types of isolator: fully and semi-isolated system outlets. These are often referred to as double and single galvanic.

The CL50-DGFF-XX series includes fully isolated/fully galvanic system outlets developed to meet the needs of the European market. It incorporates high voltage capacitors that provide isolation to both the inner and the outer conductors of the coaxial connectors.

Operating to 2 GHz, the CL50-DGFF-XX series offers an isolation solution for full DOCSIS 3.1 deployments while maintaining high levels of performance and protection.

Designed to fit a euro outlet, 25 mm × 50 mm aperture, the CL50-DGFF-XX series offers flexibility and can be used in a wide range of install situations.

The CL50-DGFF-XX series is part of the CL50 outlet range of products which offers operators a complete compact and innovative range of outlets for RF and fibre installations.

Technetix CPD Safe™

Common path distortion (CPD) is well known for producing signal interference on networks. It is caused by electrolytic corrosion or the oxidation of dissimilar metals when in close contact. Technetix CPD Safe™ technology:

- Removes a primary cause of CPD
- Reduces signal interference in the network
- Drives fewer reported faults
- Reduces truck rolls
- Improves customer service

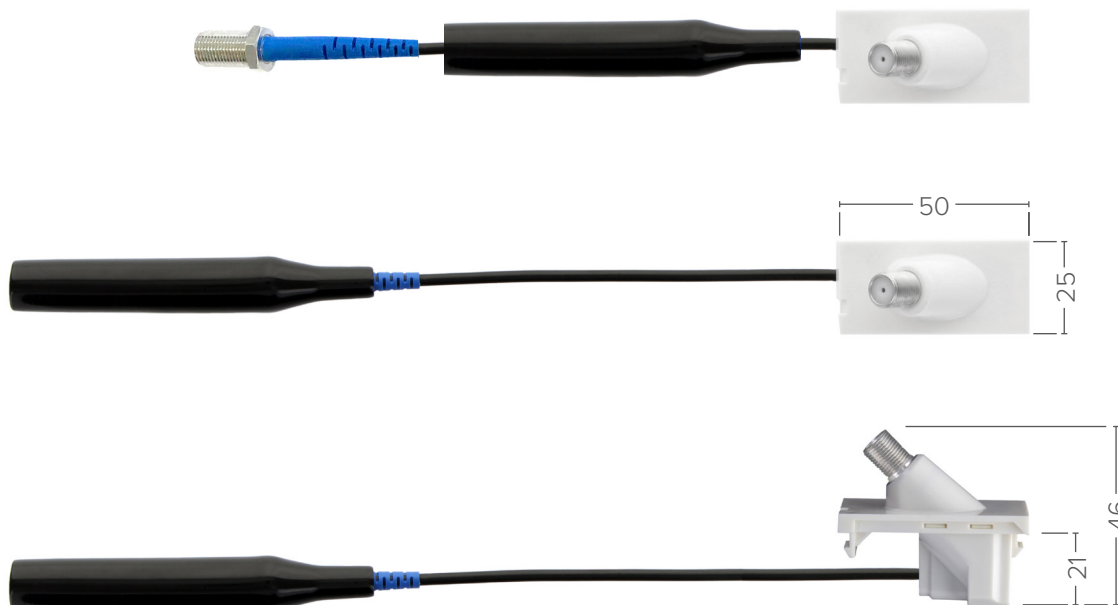
Design and safety compliances

Safety	BS EN 60728-11 2010 Cable networks for television signals, sound signals and interactive services	Sections 10.1 & 10.2.1
	EN 60065 2014 Audio, video and similar electronic apparatus - Safety requirements	Section 13.3.2 'Clearances in circuits conductively connected to mains'
	BS EN 62368-1:2014 Information technology equipment - Safety	Section 4.1 General requirements
EMC	BS EN 50083-2 2012: Cable networks for television signals, sound signals and interactive services -Electromagnetic compatibility for Equipment	Section 5.5
	IEC 62153-4-7:2015 Metallic communication cable test methods - Part 4-7: Electromagnetic compatibility (EMC) Triaxial tube in tube method	
Design	BS EN 60728-4 2008 Passive coaxial wideband distribution equipment	

Mechanical specifications

	Coax details
Inner conductor	Silver plated copper clad steel
Insulation	Solid PTFE
Outer conductor	Tin-soaked high strength copper braid
Jacket	PVC

	Connector details	
F Connectors	Contacts	Inner Contact BeCu, white bronze plated
	Standard	IEC 61169-24
	Input connector	Brass, white bronze plated
	Output connector	Brass, white bronze plated



Electrical performance






Characteristic	Port type	Notes	Frequency range(s) MHz	Min	Typical	Max
Insertion loss	I/P to O/P		12-1006	-	0.3 dB	1 dB
			1006-2000	-	0.8 dB	1.5 dB
Return loss	All ports		12-300			20 dB
			300-1006			18 dB
			1006-1700			14 dB
			1006-2000			12 dB
Galvanic isolation 2120V DC	Inner conductor I/P to inner conductor O/P	1				0.2 mA
	Outer conductor I/P to outer conductor O/P	1				0.2 mA
Galvanic isolation 230V AC	Inner conductor I/P to inner conductor O/P	5				2.0 mA
	Outer conductor I/P to outer conductor O/P					2.0 mA
Screening efficiency		2	12-30	2.5 mΩ/m	-	-
			30-1000	95 dB	-	-
			1000-2000	85 dB	-	-
Intermodulation		3	25 V Surge	120 dBc	-	-
		4	1 kV Surge	120 dBc	-	-

Notes

1	IEC-60728-11 §10 safety requirement: 2120 VDC T ≥ 1 minute
2	According to IEC 62153-7 § 5.5
3	Two carriers (60 & 65 MHz), Out to In @ 120 dBuV, after 10 pulses (25 V), at all ports
4	Two carriers (60 & 65 MHz), Out to In @ 120 dBuV, after 1 pulses (1 kV), at all ports
5	50 Hz

Notes: All performance specified at 23°C

Ordering information

Item name	Article number	Description	ABS colour
CL50-DGFF-PW	19011740	Click50 2 GHz double galv iso, fly lead, 45° F-F pure white	 PW Pure white (RAL9010)
CL50-BP-TB	19011748	Click50 2 GHz double galv iso, fly lead, 45° F-F traffic black	 TB Traffic black (RAL9017)
CL50-EIF-SW	19011768	Click50 2 GHz double galv iso, fly lead, 45° F-F signal white	 SW Signal white (RAL9003)
CL50-DGFF-TB	19011741	Click50 2 GHz double galv iso, fly lead, 45° F-F traffic black	 TB Traffic black (RAL9017)
CL50-DGFF-SW	19011767	Click50 2 GHz double galv iso, fly lead, 45° F-F signal white	 SW Signal white (RAL9003)

CL50-SGIM-XX Single galvanic isolator



- 2.0 GHz single output galvanic isolator
- Compact design
- Fits 25 mm x 50 mm euro data outlet socket
- 90 degree outlet port
- Cable clamp input
- Exceeds EN class A +10 dB screening requirements
- Meets cable dimension requirements from RF spec



Overview

The CL50-SGIM-PW is a small, compact, modular wall outlet compatible with all CL50 faceplates and mounting systems. This is a low-loss wideband outlet featuring simple connectivity and working from 12 MHz to 2 GHz with excellent RF screening. The cable clamp mechanism accommodates and fixes securely a wide range of coaxial cables and also provides a wide aperture for easy cable insertion.

Isolators (frequently referred to as system outlets) are used to separate the in-home installation or subscriber equipment from a CATV network. They prevent hazardous voltages from being transferred to in-home installations.

Technetix supplies two major types of isolator: fully and semi-isolated system outlets.

The CL50-SGIM-PW series comprises semi-isolated/single galvanic system outlets developed to meet the needs of the European market. It incorporates high voltage capacitors that provide isolation to the inner conductors of the coaxial connectors.

Operating to 2 GHz, the CL50-SGIM-PW series offers an outlet solution for full DOCSIS 3.1 deployments while maintaining high levels of performance.

Designed to fit a euro outlet, 25 mm x 50 mm aperture, the CL50-SGIM-PW series offers flexibility and can be used in a wide range of install situations.

The CL50-SGIM-PW series is part of the CL50 outlet range of products which offers operators a complete compact and innovative range of outlets for RF and fibre installations.

Once the cable is connected, the outlet snaps into the Click 50 faceplate.

Technetix CPD Safe™

Common path distortion (CPD) is well known for producing signal interference in networks. It is caused by electrolytic corrosion or the oxidation of dissimilar metals when in close contact. Technetix CPD Safe™ technology protects against CPD and:

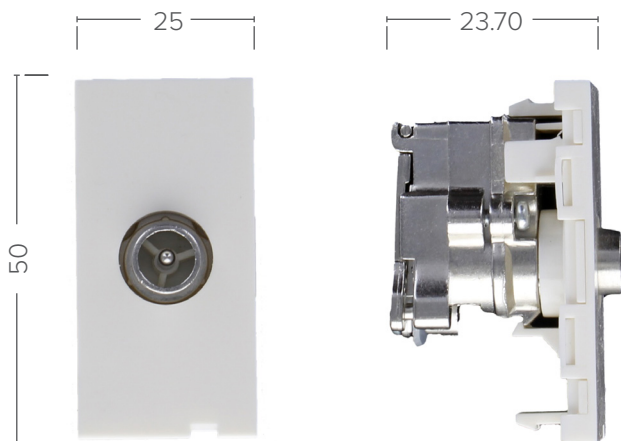
- Removes a primary cause of CPD
- Reduces signal interference on the network
- Drives fewer reported faults
- Reduces truck rolls
- Improves customer service

Design and safety compliances

Safety	BS EN 60728-11 2010 Cable networks for television signals, sound signals and interactive services	Sections 10.1 & 10.2.1
	EN 60065 2014 Audio, video and similar electronic apparatus - Safety requirements	Section 13.3.2 'Clearances in circuits conductively connected to mains'
	BS EN 62368-1:2014 Information technology equipment - Safety	Section 4.1 General requirements
EMC	BS EN 50083-2 2012: Cable networks for television signals, sound signals and interactive services -Electromagnetic compatibility for Equipment	Section 5.5
	IEC 62153-4-7:2015 Metallic communication cable test methods - Part 4-7: Electromagnetic compatibility (EMC) Triaxial tube in tube method	
Design	BS EN 60728-4 2008 Passive coaxial wideband distribution equipment	

Mechanical specifications

Part	Material	Finish
Faceplate	ABS	Polished
Body	Die cast zinc	Tin nickel plated
Coax connector contact	Beryllium copper	Tin nickel plated
IEC connector pin	Brass	Tin nickel plated



Available with plastic rear cover



Ordering information

Item name	Article number
CL50-SGC	19011745

Electrical performance


Characteristic	Port type	Notes	Frequency range(s) MHz	Min	Typical	Max
Insertion loss	I/P to O/P		5-1006			0.4 dB
			1006-1700			0.6 dB
			1700-2000			0.8 dB
Return loss	All Ports		5-12			16 dB
			12-300			20 dB
			300-1006			18 dB
			1006-1700			14 dB
			1700-2000			12 dB
Galvanic Isolation 2120V DC	Inner conductor I/P to inner conductor O/P	2				0.2 mA
Galvanic Isolation 230V AC	Inner conductor I/P to Inner conductor O/P					2.0 mA
Connectors	Input clamp			Range of inner conductor diameters	0.4 .. 1.2 min Ø/ max Ø	
				Range of outer conductor diameters	2.6 .. 5.8 min Ø/ max Ø	
				Range of jacket diameters	4.1 .. 7.2 min Ø/ max Ø	
	Output			IEC male at 90 degrees		
Screening efficiency		3	12-30	2.5 mΩ/m	-	-
			30-1006	100 dB	-	-
			1006-1700	90 dB	-	-
			1700-2000	80 dB	-	-
Intermodulation		4	25 V Surge	120 dBc	-	-
		5	1 kV Surge	120 dBc	-	-

Notes

2	IEC-60728-11 §10 Safety requirement: 2120 VDC T ≥ 1 minute	4	Two carriers (60 & 65 MHz), Out to In @ 120 dBuV, after 10 pulses (25 V), at all ports
3	According to IEC 50117-2-1 (This is a cable EMC test standard, compliance requested by LGI)	5	Two carriers (60 & 65 MHz), Out to In @ 120 dBuV, after 1 pulses (1 kV), at all ports

Notes: All performance specified at 23°C

Ordering information

Item name	Article number	Description	ABS colour
CL50-SGIM-PW	19011742	Click50 2 GHz single galv iso, clamp, 90° IEC-M pure white	 PW Pure white (RAL9010)

CL50-45XXX-XX Optical outlet

- Simplex and duplex LC/APC adapter
- Fits 25 mm x 50 mm euro data outlet socket
- Integrated fibre management tray
- Available with 45° simplex or duplex LC fibre outlet port
- Spring loaded safety shutter



Overview

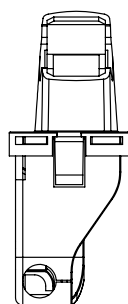
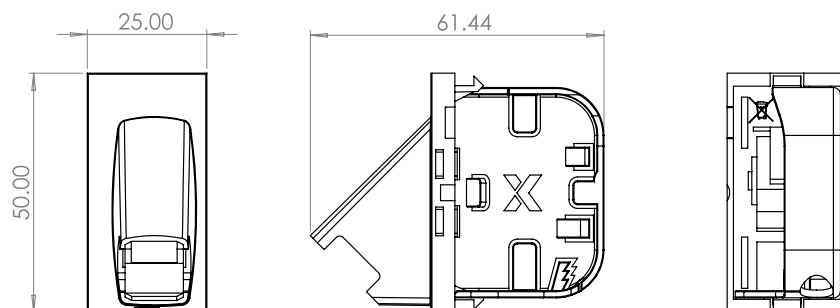
CL50 optical outlets are part of, and are fully compatible with, the Technetix CL50 mounting system. They are equipped with a fibre management tray to enable proper management of fibre cable excess after installation, as well as options to have either simplex or duplex LC outlet ports.

The fibre management tray is available in various options: left and right outlet slots and with different depths.

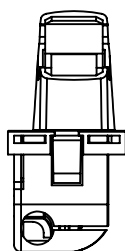
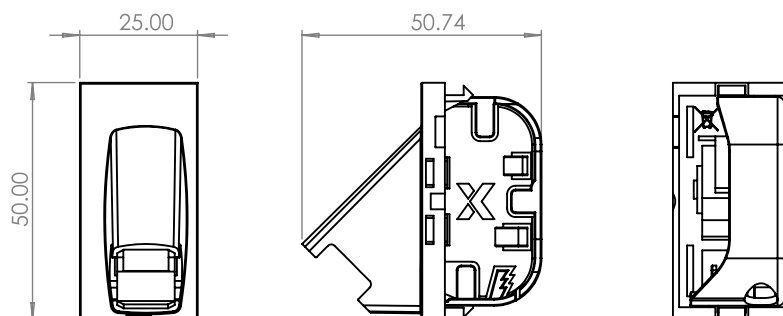
Ordering information

Item name	Article number	Description	ABS colour
CL50-45DLR-SW	19011734	Click50 fibre plug-in 45° dual LC FT right signal white	○ SW Signal white (RAL9003)
CL50-45DLR-PW	19011735	Click50 fibre plug-in 45° dual LC FT right pure white	○ PW Pure white (RAL9010)
CL50-45DLL-PW	19011736	Click50 fibre plug-in 45° dual LC FT left pure white	○ PW Pure white (RAL9010)
CL50-45DLC-SW	19011737	Click50 fibre plug-in 45° dual LC compact FT signal white	○ SW Signal white (RAL9003)
CL50-45DLC-PW	19011738	Click50 fibre plug-in 45° dual LC compact FT pure white	○ PW Pure white (RAL9010)
CL50-45DLC-TB	19011739	Click50 fibre plug-in 45° dual LC compact FT traffic black	● TB Traffic black (RAL9017)
CL50-45SLC-SW	19011750	Click50 fibre plug-in 45° simplex LC compact FT signal white	○ SW Signal white (RAL9003)
CL50-45SLC-PW	19011751	Click50 fibre plug-in 45° simplex LC compact FT pure white	○ PW Pure white (RAL9010)
CL50-45SLC-TB	19011752	Click50 fibre plug-in 45° simplex LC compact FT traffic black	● TB Traffic black (RAL9017)

Mechanical specifications



- CL50-45DLR-SW
- CL50-45DLR-PW



- CL50-45DLC-SW
- CL50-45DLC-PW
- CL50-45DLC-TB
- CL50-45SLC-SW
- CL50-45SLC-PW
- CL50-45SLC-TB

Electrical performance

Parameter	Units	Performance	Notes
Insertion loss	Maximum \geq 97%	\leq 0.25 dB	
	Mean	\leq 0.12 dB	
Return loss	\geq 60 dB (mated)		1
Duct types	mm	5/3.5	
Duct strain relief	N	20	
Fibre storage ruggedized patch cords	cm	25	
	nr	2	
Fibre storage winding length capability	mm	60 cm	
Fibre storage bending radius after installation	mm	\approx 15	
Polished angle		8°	
Connector standard		LC/APC	2
Connector tilt		Angled 45°	
Port protection		Spring loaded safety shutter	
Item colour		Signal white RAL9003 (SW)	
		Pure white RAL9010 (PW)	
		Traffic black RAL9017 (TB)	
Item material		ABS	
Surface		Polished	

Notes

1	Reference - Attenuation random mated IEC 61300-3-34
2	According to BS EN 61754-20

CL50-KYST-xx Ethernet outlet





- Modular wall outlet
- Fits 25 mm x 50 mm euro module outlet socket
- CAT5 & CAT6 modules with 1 Gbps guaranteed
- Keystone footprint fits a range of adapters and connectors
- All installable without any special tools



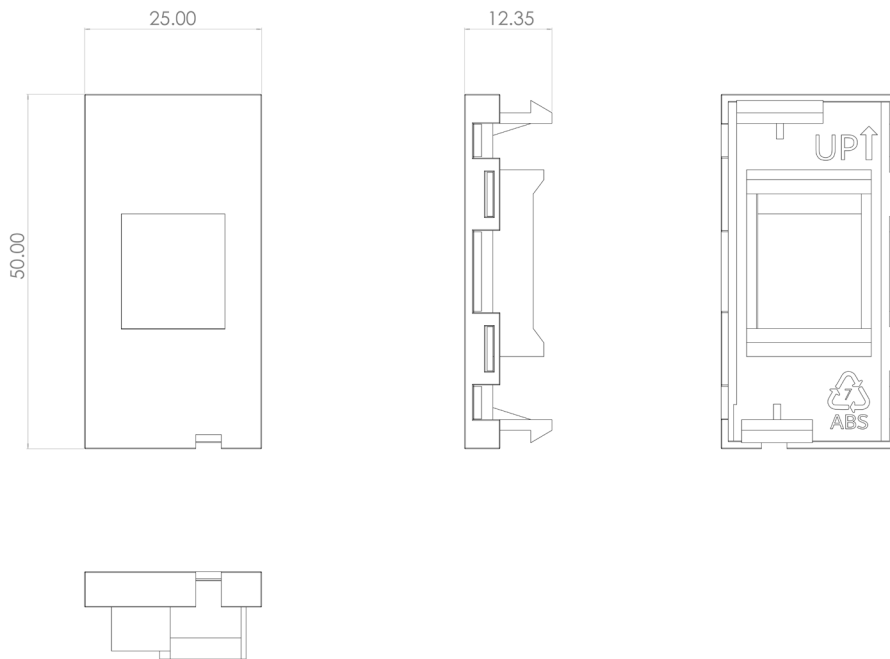
Overview

The CL50 keystone faceplate is fully modular and is compatible with the Technetix CL50 mounting system. The keystone footprint gives you the opportunity to attach different connectors depending on your requirements. Our unshielded twisted pair (UTP) RJ45 female toolless connector is designed to terminate cables.

Ordering information

Item name	Article number	Description	ABS colour
CL50-KEYST-PW	19012471	Click50 Keystone faceplate with no female connector, pure white	 PW Pure white (RAL9010)
CL50-KEYST-SW	19012474	Click50 Keystone faceplate with no female connector, signal white	 SW Signal white (RAL9003)
CL50-RJ45-PW	19012508	Click50 Keystone faceplate with UTP RJ45 female connector, pure white	 PW Pure white (RAL9010)
CL50-RJ45-SW	19012677	Click50 Keystone faceplate with UTP RJ45 female connector, signal white	 SW Signal white (RAL9003)

Mechanical specifications



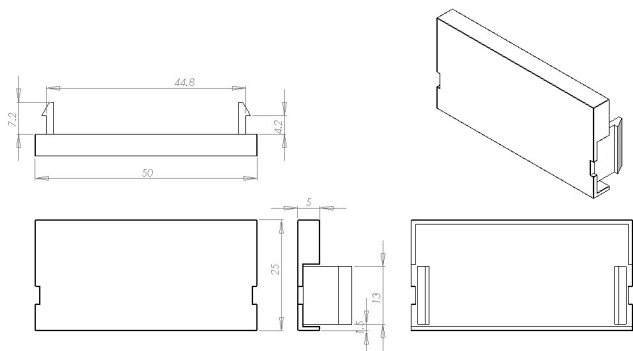
- CL50-KEYST-PW
- CL50-KEYST-SW
- CL50-RJ45-PW
- CL50-RJ45-SW



Click50 Accessories

Outlet accessories




Blanking plate



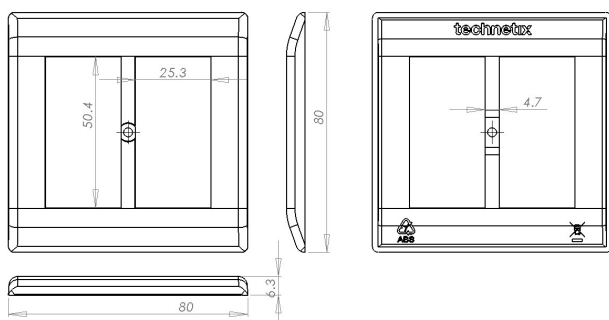
Parameter

Item material	ABS
Item surface	Polished

Ordering information

Item name	Article number	Description	Colour
CL50-BP-PW	19011747	Click50 blank panel (single-slot) pure white	 PW Pure white (RAL9010)
CL50-BP-TB	19011748	Click50 blank panel (single-slot) traffic black	 TB Traffic black (RAL9017)
CL50-BP-SW	19011768	Click50 blank panel (single-slot) signal white	 SW Signal white (RAL9003)

80 mm CH faceplate



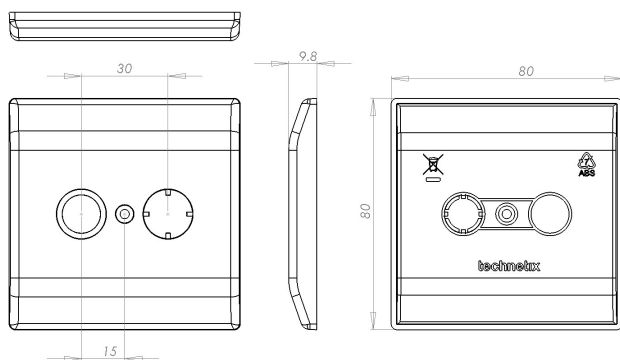
Parameter

Item Material	ABS
Item Surface	Polished
Screw	Bright zinc plating (BZP) Mild steel M3 x 8 mm

Ordering information

Item name	Article number	Description	Colour
CL50-CP80-PW	19011731	Click50 Cover/faceplate for CH 80 x 80 mm pure white	 PW Pure white (RAL9010)


80 mm standard EU faceplate



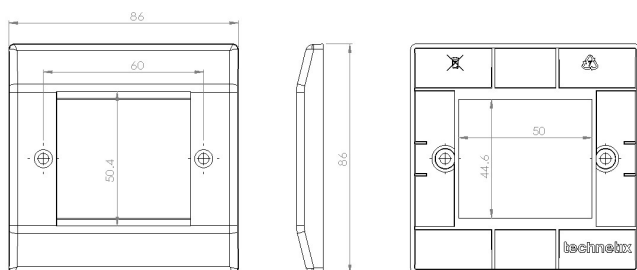
Parameter

Item Material	ABS
Item Surface	Polished
Screw	Bright zinc plating (BZP) Mild steel M3 x 8 mm

Ordering information

Item name	Article number	Description	Colour
CL50-CPEU-PW	19011732	Click50 cover/faceplate for EU pure white	 PW Pure white (RAL9010)



86 mm UK faceplate



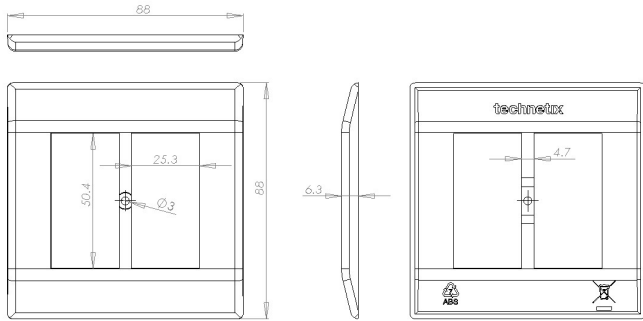
Parameter

Item Material	ABS
Item Surface	Polished
Screws (2x)	Bright zinc plating (BZP) Mild steel M3 x 8 mm

Ordering information

Item name	Article number	Description	Colour
CL50-CPUK-TB	19011729	Click50 cover/faceplate for UK 86 x 86 mm traffic black	 TB Traffic black (RAL9017)
CL50-CPUK-SW	19011728	Click50 cover/faceplate for UK 86 x 86 mm signal white	 SW Signal white (RAL9003)

88 mm CH faceplate



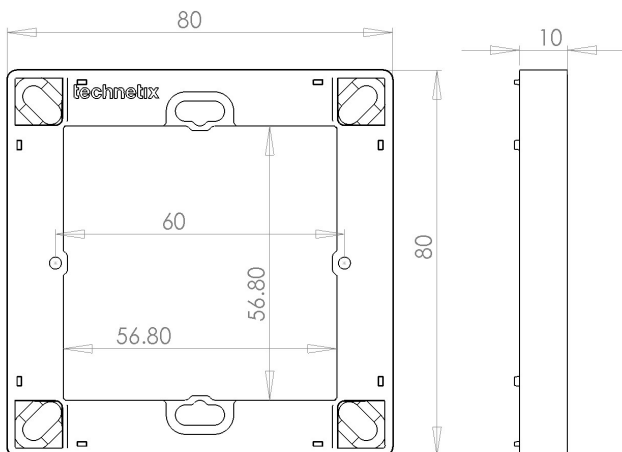
Parameter

Item Material	ABS
Item Surface	Polished
Screw	Bright zinc plating (BZP) Mild steel M3 x 8 mm

Ordering information

Item name	Article number	Description	Colour
CL50-CP88-PW	19011730	Click50 cover/faceplate for CH 88 x 88 mm pure white	 PW Pure white (RAL9010)

80 mm EU and CH extender



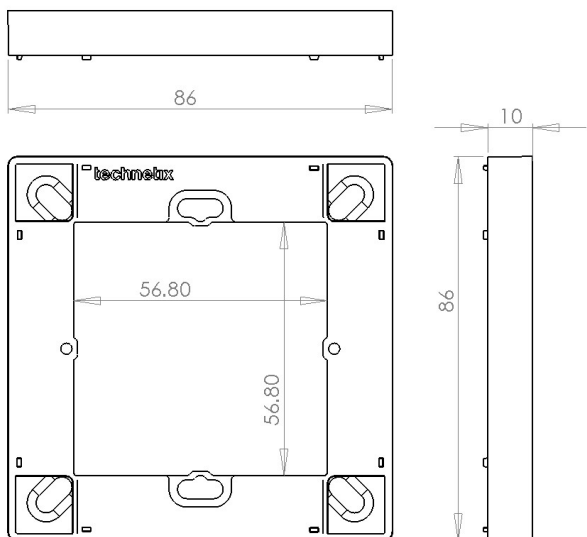
Parameter

Item Material	ABS
Item Surface	Polished
Screws (2x)	Bright zinc plating (BZP) Mild steel M3 x 8 mm

Ordering information

Item name	Article number	Description	Colour
CL50-EXEU-PW	19011725	Click50 extender for EU and CH 80 x 80 mm pure white	 PW Pure white (RAL9010)

86 mm UK extender



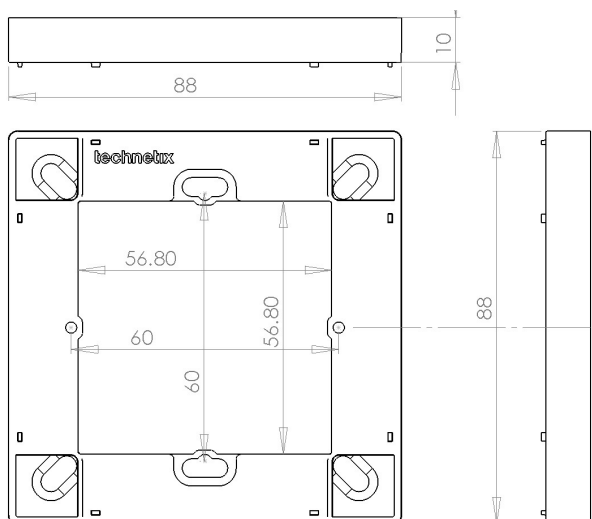
Parameter

Item Material	ABS
Item Surface	Polished
Screws (2x)	Bright zinc plating (BZP) Mild steel M3 x 8 mm

Ordering information

Item name	Article number	Description	Colour
CL50-EXUK-TB	19011723	Click50 extender for UK 86 x 86 mm traffic black	TB Traffic black (RAL9017)
CL50-EXUK-SW	19011722	Click50 extender for UK 86 x 86 mm signal white	SW Signal white (RAL9003)

88 mm CH extender



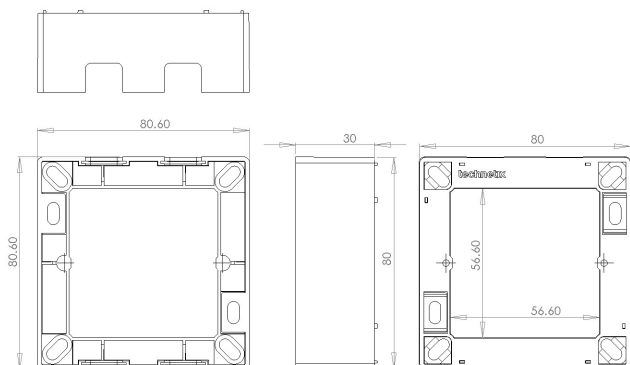
Parameter

Item Material	ABS
Item Surface	Polished
Screws (2x)	Bright zinc plating (BZP) Mild steel M3 x 8 mm

Ordering information

Item name	Article number	Description	Colour
CL50-EX88-PW	19011724	Click50 extender for CH 88 x 88 mm pure white	PW Pure white (RAL9010)

80 mm EU and CH back box

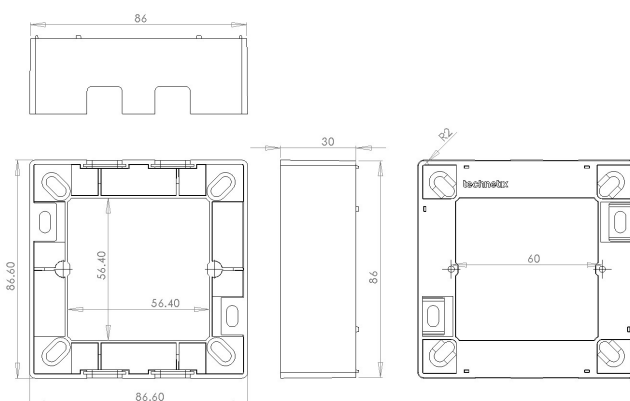


Parameter	
Item material	ABS
Item surface	Polished
Screws (2x)	Bright zinc plating (BZP) Mild steel M3 x 8 mm

Ordering information



Item name	Article number	Description	Colour
CL50-BBEU-PW	1901721	Click50 back box for EU and CH 80x80 mm pure white	 PW Pure white (RAL9010)

86 mm UK back box

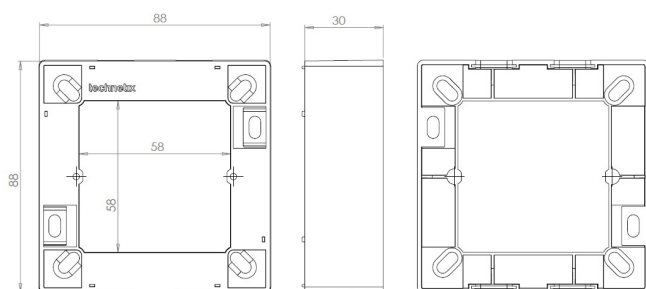


Parameter	
Item material	ABS
Item surface	Polished
Screws (2x)	Bright zinc plating (BZP) Mild steel M3 x 8 mm

Ordering information

Item name	Article number	Description	Colour
CL50-BBUK-TB	19011719	Click50 back box for UK 86x86 mm traffic black	 TB Traffic black (RAL9017)
CL50-BBUK-SW	19011718	Click50 back box for UK 86x86 mm signal white	 SW Signal white (RAL9003)

88 mm CH back box

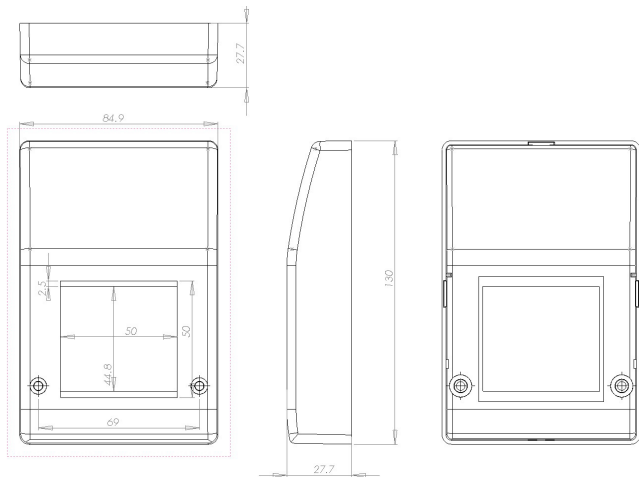


Parameter	
Item material	ABS
Item surface	Polished
Screws	Bright zinc plating (BZP) Mild steel M3 x 8mm

Ordering information

Item name	Article number	Description	Colour
CL50-BB88-PW	19011720	Click50 back box for CH 88x88mm pure white	 PW Pure white (RAL9010)




Extended integrated housing



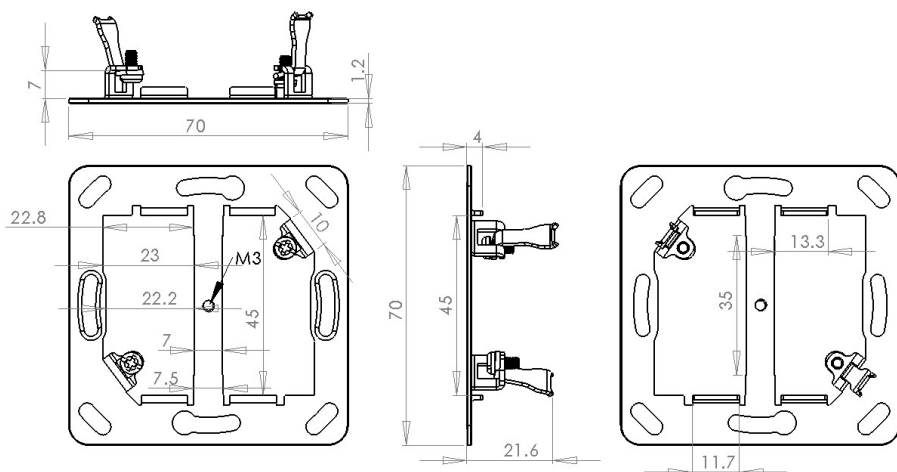
Parameter

Item material	ABS
Item surface	Polished

Ordering information

Item name	Article number	Description	Colour
CL50-EIF-PW	19011726	Click50 extended integrated faceplate pure white	 PW Pure white (RAL9010)
CL50-EIF-TB	19011727	Click50 extended integrated faceplate traffic black	 TB Traffic black (RAL9017)
CL50-EIF-SW	19011768	Click50 extended integrated faceplate signal white	 SW Signal white (RAL9003)

Flush frame



Parameter

Item Material	Mild steel, nickel plated
Screws (2x)	Bright zinc plating (BZP) Mild steel M3 x 8mm

Ordering information

Item name	Article number	Description
CL50-FF	19011733	Click50 flush frame

Configuration matrix

Represents all available accessories per outlet type.



PW Pure white (RAL9010)	TB Traffic black (RAL9017)	SW Signal white (RAL9003)	PW Pure white (RAL9010)	SW Signal white (RAL9003)	PW Pure white (RAL9010)
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19011740	19011741	19011767	19011742	19011743	19011744
CL50-DGFF-PW	CL50-DGFF-TB	CL50-DGFF-SW	CL50-SGIM-PW	CL50-SGFF-SW	CL50-SGFF-PW

Accessories	Accessories	Accessories	Accessories	Accessories	Accessories
19011718	CL50-BBUK-SW	86 mm UK back box			
19011719	CL50-BBUK-TB	86 mm UK back box			
19011720	CL50-BB88-PW	88 mm CH back box			
19011721	CL50-BBEU-PW	80 mm EU/CH back box			
19011722	CL50-EXUK-SW	86 mm UK extender			
19011723	CL50-EXUK-TB	86 mm UK extender			
19011724	CL50-EX88-PW	88 mm CH extender			
19011725	CL50-EXEU-PW	80 mm EU/CH extender			
19011726	CL50-EIF-PW	Extd faceplate			
19011727	CL50-EIF-TB	Extd faceplate			
19011768	CL50-EIF-SW	Extd faceplate			
19011728	CL50-CPUK-SW	86 mm UK faceplate			
19011729	CL50-CPUK-TB	86 mm UK faceplate			
19011730	CL50-CP88-PW	88 mm CH faceplate			
19011731	CL50-CP80-PW	80 mm CH faceplate			
19011732	CL50-CPEU-PW	Standard EU faceplate			
19011733	CL50-FF	Flush frame			
19011745	CL50-SGC	Back cover for SGIM			
19011746	CL50-BP-SW	Blank panel			
19011747	CL50-BP-PW	Blank panel			
19011748	CL50-BP-TB	Blank panel			



Back box



Extender



Extended faceplate



UK faceplate



CH faceplate



○ SW
Signal white
(RAL9003)

○ PW
Pure white
(RAL9010)

○ PW
Pure white
(RAL9010)

○ SW
Signal white
(RAL9003)

○ PW
Pure white
(RAL9010)

● TB
Traffic black
(RAL9017)

○ SW
Signal white
(RAL9003)

○ PW
Pure white
(RAL9010)

● TB
Traffic black
(RAL9017)

19011734	19011735	19011736	19011737	19011738	19011739	19011750	19011751	19011752
CL50-45DLR-SW	CL50-45DLR-PW	CL50-45DLL-PW	CL50-45DLC-SW	CL50-45DLC-PW	CL50-45DLC-TB	CL50-45SLC-SW	CL50-45SLC-PW	CL50-45SLC-TB
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EU faceplate



Flush frame









Back cover
for SGIM












Blank panel

Ordering Information




















RF Units

Item name	Article number	Description
CL50-DGFF-PW 	19011740	Click50 2 GHz double galv iso, flylead, 45° F-F pure white
CL50-DGFF-TB 	19011741	Click50 2 GHz double galv iso, flylead, 45° F-F traffic black
CL50-DGFF-SW 	19011767	Click50 2 GHz double galv iso, flylead, 45° F-F signal white
CL50-SGIM-PW 	19011742	Click50 2 GHz single galv iso, clamp, 90° IEC-M pure white
CL50-SGFF-SW 	19011743	Click50 2 GHz single galv iso, clamp, 90° F-F signal white
CL50-SGFF-PW 	19011744	Click50 2 GHz single galv iso, clamp, 90° F-F pure white

Optical Units

Item name	Article number	Description
CL50-45DLR-SW 	19011734	Click50 fibre plug-in 45° dual LC FT right signal white
CL50-45DLR-PW 	19011735	Click50 fibre plug-in 45° dual LC FT right pure white
CL50-45DLL-PW 	19011736	Click50 fibre plug-in 45° dual LC FT left pure white
CL50-45DLC-SW 	19011737	Click50 fibre plug-in 45° dual LC compact FT signal white
CL50-45DLC-PW 	19011738	Click50 fibre plug-in 45° dual LC compact FT pure white
CL50-45DLC-TB 	19011739	Click50 fibre plug-in 45° dual LC compact FT traffic black
CL50-45SLC-SW 	19011750	Click50 fibre plug-in 45° simplex LC compact FT signal white
CL50-45SLC-PW 	19011751	Click50 fibre plug-in 45° simplex LC compact FT pure white
CL50-45SLC-TB 	19011752	Click50 fibre plug-in 45° simplex LC compact FT traffic black

Accessories

Item name	Article number	Description
CL50-BBUK-SW 	19011718	Click50 back box for UK 86x86 mm signal white
CL50-BBUK-TB 	19011719	Click50 back box for UK 86x86 mm traffic black
CL50-BB88-PW 	19011720	Click50 back box for CH 88x88 mm pure white
CL50-BBEU-PW 	19011721	Click50 back box for EU and CH 80x80 mm pure white
CL50-EXUK-SW 	19011722	Click50 extender for UK 86x86 mm signal white
CL50-EXUK-TB 	19011723	Click50 extender for UK 86x86 mm traffic black
CL50-EX88-PW 	19011724	Click50 extender for CH 88x88 mm pure white
CL50-EXEU-PW 	19011725	Click50 extender for EU and CH 80x80 mm pure white
CL50-EIF-PW 	19011726	Click50 extended integrated faceplate pure white
CL50-EIF-TB 	19011727	Click50 extended integrated faceplate traffic black
CL50-CPUK-SW 	19011728	Click50 cover/faceplate for UK 86x86 mm signal white
CL50-CPUK-TB 	19011729	Click50 cover/faceplate for UK 86x86 mm traffic black
CL50-CP88-PW 	19011730	Click50 cover/faceplate for CH 88x88 mm pure white
CL50-CP80-PW 	19011731	Click50 cover/faceplate for CH 80x80 mm pure white
CL50-CPEU-PW 	19011732	Click50 cover/faceplate for EU pure white
CL50-FF	19011733	Click50 flush frame
CL50-SGC 	19011745	Click50 back cover for single galvanic isolator
CL50-BP-SW 	19011746	Click50 blank panel (single-slot) signal white
CL50-BP-PW 	19011747	Click50 blank panel (single-slot) pure white
CL50-BP-TB 	19011748	Click50 blank panel (single-slot) traffic black
CL50-EIF-SW 	19011768	Click50 extended integrated faceplate signal white

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