

User-Friendly Design Virtually Prevents Incorrect Installations.

Drop wire connectors MX2000 are used worldwide to build and upgrade overhead networks with fully watertight connection technology. The highest fault rates occur in overhead networks, so it's vital to use a high reliability technology, like MX2000 connectors.

MX2000 connectors are designed to operate reliably even under the harshest environmental conditions. The user-friendly design virtually prevents incorrect installations.

This product is suitable for distribution, protection, and customer termination in overhead lines. This new-generation design fits all existing networks and can accommodate a wide range of drop wire sizes.

No special tools are required to perform IDC terminations; a simple clockwise rotation of a screwdriver completes the drop wire termination. Both sides of this connector can be re-terminated multiple times with different conductor sizes.

A central disconnection area offers test ports on either side for multipair testing as well as disconnection and overvoltage protection when the flap is opened. For termination modules with test facilities, tests can be performed via test probes with a closed flap. All overvoltage versions drain currents up to 10 kA or 20 kA per line.



SLiC® Aerial Terminal 319 with Blocks MX2000



Termination Module MX2000 P



Termination Module MX2000

Termination Modules MX2000

The very flexible built-in protection allows unprotected distribution points to be easily upgraded to protected ones.

The unique design of the MX2000 termination module allows the user to snap the module on both IEC 715 25-mm and 35-mm DIN profiles.

Grounding (20 kA) is automatically completed through the mounting rail. The MX2000 one-pair module offers very high flexibility compared to most multipair systems.

Features	Benefits
Drop wire side IDC connection	Enable tight connection with any size wire 18-24 AWG (>24/0.2-1/0.5, 7/0/2, 30/0.1)
No wire stripping	Improves productivity and lessens risk of wire damage
Snaps onto IEC 715 25-mm and 35-mm DIN rails	Provides flexibility
Four access ports for testing	Suitable for testing both directions
Totally sealed connections	Provides maximum environmental protection
Can be added a pair at a time	Provides first cost savings

Ordering Information

Designation	Corning Catalog Number	Reference Number	Delivery Unit	Unit Of Measure	Picture
MX2000 termination module with protection facility, empty (not equipped with GDT), 10 kA, no test facility, screw type: round	XF500005889	C249801A	100 pcs	pc	
MX2000 termination with protection facility, empty (not equipped with GDT), 10 kA, no test facility, screw type: round	XF500005954	C249807A	1000 pcs	pc	
MX2000 termination module with protection and test facility, empty (not equipped with GDT), 10 kA, screw type: hexagon	XF500005947	C249811B	1000 pcs	pc	
MX2000 termination module with protection facility, equipped with 250 V GDT with fail-safe, 10 kA, no test facility, screw type: round	XF500005897	C249802A	100 pcs	pc	
MX2000 termination module with protection and test facility, equipped with 230 V GTD, 20 kA, screw type: hexagon	XF500005905	C249825A	100 pcs	pc	
MX2000 termination module with protection facility, equipped with 250 V GDT with fail-safe, 10 kA, no test facility, screw type: hexagon, yellow test flap	XF500005913	C249827A	1000 pcs	pc	
MX2000 termination module with protection and test facility, empty (not equipped with GDT), 20 kA, screw type: hexagon	XF500005921	C249832A	1000 pcs	pc	

Termination Module MX2000 Specifications

	MX 2000 empty 10kA	MX 2000 empty 10kA	MX 2000 empty 20kA	MX 2000 equipped 10kA	MX 2000 equipped 10kA	MX 2000 equipped 20kA
Catalogue Number	XF500005889 XF500005954	XF500005947	XF500005921	XF500005897	XF500005913	XF500005905
General Product Features						
Single Pair Configuration	Yes	Yes	Yes	Yes	Yes	Yes
Mounting	Snap-On IEC 715 25 mm and DIN 35 mm profiles	Snap-On IEC 715 25 mm and DIN 35 mm profiles	Snap-On IEC 715 25 mm and DIN 35 mm profiles	Snap-On IEC 715 25 mm and DIN 35 mm profiles	Snap-On IEC 715 25 mm and DIN 35 mm profiles	Snap-On IEC 715 25 mm and DIN 35 mm profiles
Re-Termination On Drop Wire Side	Yes	Yes	Yes	Yes	Yes	Yes
Re-Termination On Cable Side	Yes	Yes	Yes	Yes	Yes	Yes
Disconnection	Yes	Yes	Yes	Yes	Yes	Yes
Drop Wire						
Type of Termination (Operation of IDC)	Screwdriver	Screwdriver	Screwdriver	Screwdriver	Screwdriver	Screwdriver
Permissible Conductor Diameter	0,4 - 1,1 mm	0,4 - 1,1 mm	0,4 - 1,1 mm	0,4 - 1,1 mm	0,4 - 1,1 mm	0,4 - 1,1 mm
Permissible Overall Insulation Diameter	5 mm max	5 mm max	5 mm max	5 mm max	5 mm max	5 mm max
Conductor Type	Copper, Bronze, Steel	Copper, Bronze, Steel	Copper, Bronze, Steel	Copper, Bronze, Steel	Copper, Bronze, Steel	Copper, Bronze, Steel
Number of Re-Terminations with Same Drop Cable	50	50	50	50	50	50
Number of Re-Terminations with Different Diameters (Typical)	10	10	10	10	10	10
Cable						
Type of Termination (Operation of IDC)	Tool-free or Screwdriver	Tool-free or Screwdriver	Tool-free or Screwdriver	Tool-free or Screwdriver	Tool-free or Screwdriver	Tool-free or Screwdriver
Permissible Conductor Diameter	0,4 to 0,8 mm	0,4 to 0,8 mm	0,4 to 0,8 mm	0,4 to 0,8 mm	0,4 to 0,8 mm	0,4 to 0,8 mm
Permissible Overall Insulation Diameter	1,8 mm max	1,8 mm max	1,8 mm max	1,8 mm max	1,8 mm max	1,8 mm max
Conductor Type	Copper	Copper	Copper	Copper	Copper	Copper
Number of Reterminations with Same Drop Cable	50	50	50	50	50	50
Number of Reterminations with Different Diameters (Typical)	10	10	10	10	10	10
Test Facility						
4-Points When Flap Is Opened	Yes	Yes	Yes	Yes	Yes	Yes
Test Probe	Crocodile Clamps	Crocodile Clamps	Crocodile Clamps	Crocodile Clamps	Crocodile Clamps	Crocodile Clamps
2-Points When Flap Is Closed	No	Yes	Yes	No	No	Yes
Electrical Features						
Leading Through Resistance	< 15 mΩ	< 15 mΩ	< 15 mΩ	< 15 mΩ	< 15 mΩ	< 15 mΩ
Insulation Resistance At 100 V	> 104 MΩ	> 104 MΩ	> 104 MΩ	> 104 MΩ	> 104 MΩ	> 104 MΩ
Dielectric Strength	10 kV @ 1,2/50 μs 50 Hz	10 kV @ 1,2/50 μs 50 Hz	10 kV @ 1,2/50 μs 50 Hz	10 kV @ 1,2/50 μs 50 Hz	10 kV @ 1,2/50 μs 50 Hz	10 kV @ 1,2/50 μs 50 Hz

Termination Module MX2000 Specifications (Continued)

	MX 2000 empty 10kA	MX 2000 empty 10kA	MX 2000 empty 20kA	MX 2000 equipped 10kA	MX 2000 equipped 10kA	MX 2000 equipped 20kA
Protection						
Type Of Protection	Upgradable	Upgradable	Upgradable	Built-In Surge Arrestor with Fail-Safe	Built-In Surge Arrestor with Fail-Safe	Built-In Surge Arrestor with Fail-Safe
Replaceable Surge Arrestor	Yes	Yes	Yes	Yes	Yes	Yes
Nominal Dc Spark-Over Voltage of Surge Arrestor				250 V ± 20%	250 V ± 20%	230 V ± 20%
Impulse Spark-Over Voltage (1 kV/μs)				< 600 V	< 600 V	< 500 V
Impulse Discharge Current (8/20 μs)	10 kA (in total)	10 kA (in total)	20 kA (in total)	10 kA (in total)	10 kA (in total)	20 kA (in total)
Nominal Alternating Discharge Current at 50 Hz, T = 1S				10 A (in total)	10 A (in total)	10 A (in total)
Fail-Safe Response Time at 6A				< 10 s	< 10 s	< 10 s
Design Features						
Dimensions (Length x Height x Width)	50,2 x 36,2 x 20 mm	50,2 x 36,2 x 20 mm	50,2 x 36,2 x 20 mm	50,2 x 36,2 x 20 mm	50,2 x 36,2 x 20 mm	50,2 x 36,2 x 20 mm
Screw Type	Round	Hexagon	Hexagon	Round	Hexagon	Hexagon
Colour	Clear Plastic and Grey	Clear Plastic and Grey	Clear Plastic and Grey	Clear Plastic, Grey, and Red	Clear Plastic, Grey, Red, and Yellow Flap	Clear Plastic, Grey, and Red
Plastic Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Self-Extinguishing Plastic	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0
Contact Material	Phosphor Bronze	Phosphor Bronze	Phosphor Bronze	Phosphor Bronze	Phosphor Bronze	Phosphor Bronze
Contact Plating	Tin	Tin	Tin	Tin	Tin	Tin
Environmental						
Operating Temperature	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C
Water Immersion Test	48 V/96 h	48 V/96 h	48 V/96 h	48 V/96 h	48 V/96 h	48 V/96 h

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