

topTER

SERIES

ACTIVE PROTECTION



topTER series

Active protection

Industrial sockets
splash proof and watertight
IP44, IP66/IP67

PRODUCT SPECIFICATIONS

Conformity to standards	EN 60309-1 EN 60309-2 EN 60529 EN 60947-3 VDE0623	IEC 60309-1 IEC 60309-2 IEC 60529 IEC 60947-3
Protection rating	IP44 - IP66/IP67	
Impact resistance	> IK 08	
Glow wire test	960°C Switch / 850°C socket insert	
Self-extinguishing	V0 / V2	
Switch category	AC3 AC23A at Rated current	
Temperature resistance	Operating	-25°C +50°C

TopTER series is a new generation of industrial sockets with active protection system designed to avoid all accidental contacts that may affect the safety and good functioning of the electrical system.

The series has a double protection degree, IP66 and IP67, which guarantees a total protection against dusts, water jets and temporary immersion.

Modularity: Numerous circuits can be created with few components. Indeed, **topTER is a modular system:** industrial, interlocked and civil sockets including data transmissions can be combined in absolute freedom.

Long-term stability:
generous interior spaces
allow for optimal
temperature dissipation,
avoiding deteriorating and
premature ageing of the
board.



Facility: Optimization of interior spaces by leaving **large areas of wiring**, facilitates wiring and maintenance operations.

All windowed enclosures are equipped with **hinged front** (installable both on the right and left side) which gives full access to the whole board.

Safety: The interlocked sockets are equipped with rear panel isolator switches **AC3-AC23A** which guarantees:

- load break disconnect at nominal current
- insulation in OFF position, thanks to safe distances between contacts
- 10.000 switching cycles at full load.

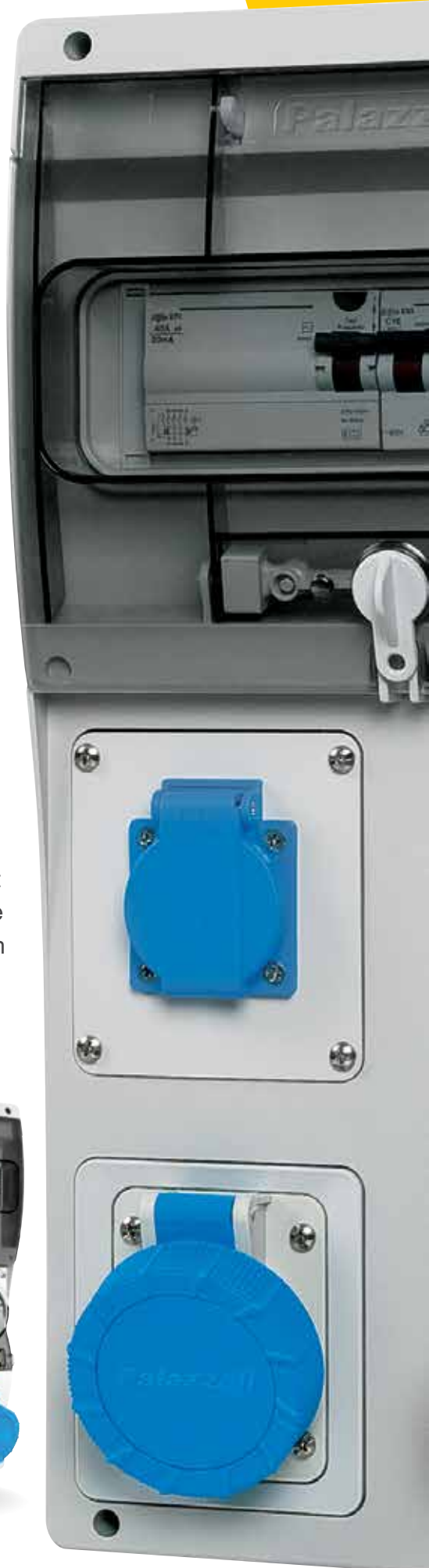
Guarantee: topTER has **passed several tests**, i.e. protection degree IP, glow wire test, flammability, vibrations, low temperatures, salty atmosphere and impacts .

Prevention: All control gear windows are fitted with **locking device** to avoid unauthorized access.





All interlocked sockets can be locked both at position 0 and 1.

Control: All industrial sockets IEC60309 (the interlocked and not interlocked) can be equipped with additional micro switch contacts that allow a **remote signaling** of plug insertion.







Easy to equip: The inside of the board has been designed in order to give **full freedom** to the users **to install internal parts** (DIN rail, equipotential bars, etc.) without need for additional drilling. All boards can be also set for mobile use with simple addition of some parts (support parts, handles, etc.).



READY FOR USE AND CERTIFIED PRE-WIRED BOARDS

	CEE		CEE	Schuko	Protection	Code
	400V		230V			
	16A	32A	16A			
	5P	5P	3P			
	1			2	1 Residual current device 40A, 0, 03A, 4P, A 3 Miniature circuit breakers 2 x 16A, 1P, C 1 x 16A, 3P, C	578610
		1		2	1 Residual current device 40A, 0, 03A, 4P, A 3 Miniature circuit breakers 2 x 16A, 1P, C 1 x 32A, 3P, C	578611
	1			2	3 Miniature circuit breakers 2 x 16A, 1P, C 1 x 16A, 3P, C	578612
		1		2	3 Miniature circuit breakers 2 x 16A, 1P, C 1 x 32A, 3P, C	578613
	1			2		578600
		1		2		578601
			3	1	1 Residual current device 40A, 0, 03A, 4P, A 4 Miniature circuit breakers 4 x 16A, 1P, C	578810
	1		2	1	1 Residual current device 40A, 0, 03A, 4P, A 4 Miniature circuit breakers 3 x 16A, 1P, C 1 x 16A, 3P, C	578811
	2		1	1	1 Residual current device 40A, 0, 03A, 4P, A 3 Miniature circuit breakers 2 x 16A, 1P, C 1 x 16A, 3P, C	578812
	1	2		1	1 Residual current device 40A, 0, 03A, 4P, A 2 Miniature circuit breakers 1 x 16A, 1P, C 1 x 16A, 3P, C	578813
	1	1	1		1 Residual current device 40A, 0, 03A, 4P, A 2 Miniature circuit breakers 1 x 16A, 1P, C 1 x 16A, 3P, C	578814
	1			1	2 Miniature circuit breakers 1 x 16A, 1P, C 1 x 32A, 3P, C	578710

READY FOR USE AND CERTIFIED PRE-WIRED BOARDS

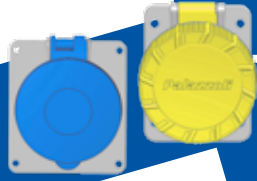
	CEE			CEE	Schuko	Protection	Code
	400V			230V			
	16A	32A	63A	16A			
	5P	5P	5P	3P			
	1	1			1	2 Miniature circuit breakers 1 x 16A, 1P, C 1 x 16A, 3P, C	578830
	1				3	1 Residual current device 40A, 0, 03A, 4P, A 3 Miniature circuit breakers 2 x 16A, 1P, C 1 x 16A, 3P, C	578831
	2	1			3	1 Residual current device 63A, 0, 03A, 4P, A 6 Miniature circuit breakers 3 x 16A, 1P, C 2 x 16A, 3P, C 1 x 32A, 3P, C	578832
	1	1			4	1 Residual current device 63A, 0, 03A, 4P, A 6 Miniature circuit breakers 4 x 16A, 1P, C 1 x 16A, 3P, C 1 x 32A, 3P, C	578833
					6	1 Residual current device 40A, 0, 03A, 4P, A 3 Miniature circuit breakers 3 x 16A, 1P, C	578720
	3	2		1	6	1 Residual current device 100A, 0, 03A, 4P, A 9 Miniature circuit breakers 4 x 16A, 1P, C 3 x 16A, 3P, C 2 x 32A, 3P, C	505790
	3	1	1		4	1 Residual current device 100A, 0, 03A, 4P, A 9 Miniature circuit breakers 2 x 16A, 1P, C 1 x 16A, 3P, C 1 x 32A, 3P, C 1 x 63A, 3P, C	505791

THE SYSTEM

Socket-outlet IEC60309

16-32A
IP44-67

63A
IP67



Schukos

German
French
Polish



Domestic and command devices

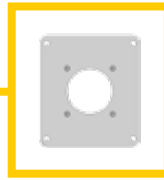
Data
Switches
Push buttons



Interlocked socket-outlet IEC60309

16-32A
IP44-66/67

63A
IP65



579848

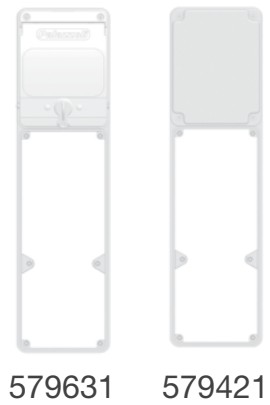
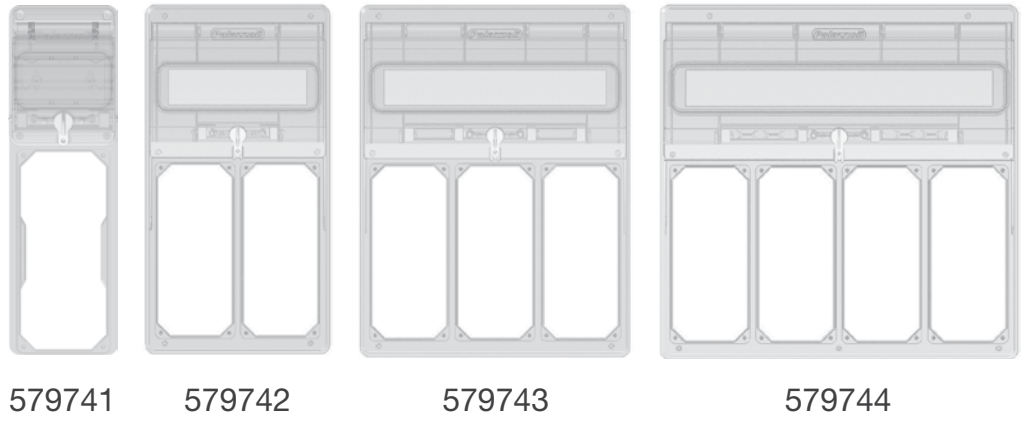
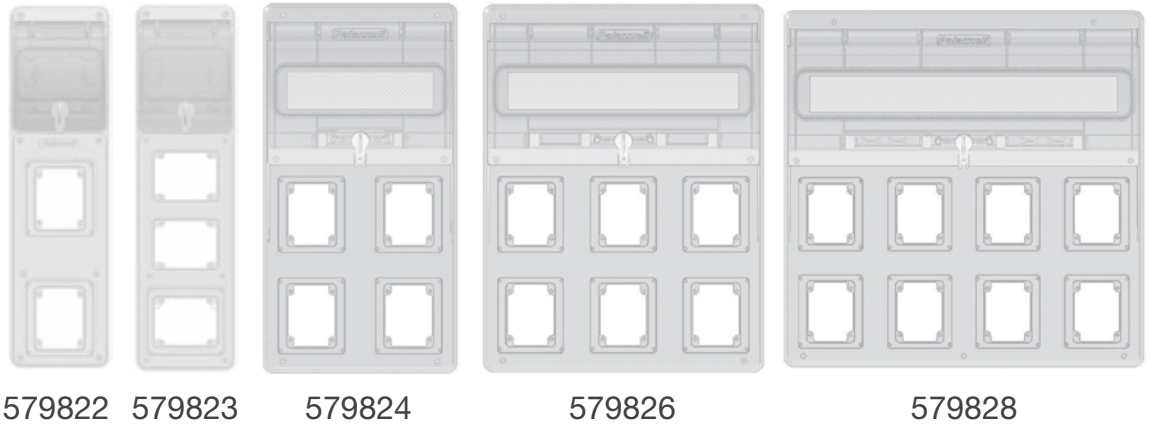


579547





579860

OR




PANEL AND BOARD INSTALLATION

16-32A INDUSTRIAL SOCKET-OUTLETS IEC60309


		Current	Number of poles	Dimensions	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz
 IP44	16A	3	65x38	488124	488126	488129	
		4	65x38	488134	488139	488136	
		5	88x100	488144	488149	488146	
	32A	3	88x100	488224	488226	488229	
		4	88x100	488234	488239	488236	
		5	88x100	488244	488249	488246	
 IP67	16A	3	65x38	489124	489126	489129	
		4	65x38	489134	489239	489136	
		5	88x100	489144	489249	489146	
	32A	3	88x100	489224	489226	489229	
		4	88x100	489234	489239	489236	
		5	88x100	489244	489249	489246	
		4	88x100	Refrigerated containers		489233	

Can be equipped with auxiliary contact (Page 15).

63A INDUSTRIAL SOCKET-OUTLETS IEC60309





		Current	Number of poles	Dimensions	230V 50-60 Hz	400V 50-60 Hz
 IP67	63A	3	100x110	489326		
		4	100x110		489336	
		5	100x110		489346	

SCHUKOS

		Current	Number of poles	Dimensions	Standard	400V 50-60 Hz
 IP54	16A	2	50x50	German	579845	
		2	50x50	German with child protection	579830	
		2	50x50	UK	579831	
		2	50x50	French	579832	





DOMESTIC AND COMMAND DEVICES

DOMESTIC SOCKET-OUTLETS

	Current	Number of poles	Modules	Standard	230V 50-60 Hz
	16A	2	2	German with child protection	630051
	16A	2	2	French/Polish	630055
	13A	2	2	British	630056
	16A	2	2	German UPS lines	630053




Different standards are also available. Contact our Sales Office for more options.

DATA AND COMMAND DEVICES






	Current	Number of poles	Modules	Standard	Code
		8UTB contacts	1	rj45 class 5e	630081
	16A	1 or 2	1	THE SAME UNIT CAN BE: single or double pole switch; single or double pole NO push-button; single pole two-way switch; single pole NC push-button.	630030
	16A	2	1	LINE Reversing switch	630031
			1	Blank cap	630090

FLANGES AND ENCLOSURES

FLANGES

	Description	Dimensions	Code
	Flange set for one recessed socket-outlet installation with 50x50 mm flange (schuko)	65x38	579848
 IP55	Watertight cap mounted on flange for domestic and command devices	65x38	579847
 IP66	Weatherproof cap mounted on flange for domestic and command devices	65x38	579860



ENCLOSURES IP66

	Dimensions	No. of installable socket-outlets	No. of modules EN50022	Power dissipation allowed (W)	Code
	122x452	2 of 65x38 or 1 of 65x38 and 1 of 88x100	5	22	579822
	122x452	3 of 63x38 or 2 of 65x38 and 1 of 88x100	5	22	579823
	239x456	4 (1 blind cover included)	10	40	579824
	350x456	6 (2 blind covers included)	16	56	579826
	461x456	8 (2 blind covers included)	22	70	579828

Enclosures are supplied with adjustable din rails, wire clamps, hinges, insulation caps, fixing screws.





INTERLOCK SOCKET 16-32A

16-32A INTERLOCKED SOCKET-OUTLETS IEC60309

		Current	Number of poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz
 IP44	16A		3	492124	492126	492129
			4	492134	492139	492136
			5	492144	492149	492146
	32A		3	492224	492226	492229
			4	492234	492239	492236
			5	492244	492249	492246
 IP67	16A		3	491124	491126	491129
			4	491134	491139	491136
			5	491144	491149	491146
	32A		3	491224	491226	491229
			4	491234	491239	491236
			5	491244	491249	491246
			4	Refrigerated containers		491233





Can be equipped with auxiliary contact (page 15).

FLANGES

	Description	Code
	Flange for mounting two fixed industrial sockets and flanges for domestic socket. Can host 2 of 65x83 sockets or 1 of 65x83 plus 1 of 88x100 sockets	579714
	Flange for mounting one 63A industrial socket	579717
	Flange for mounting three 50x50 schuko sockets	579716
	Closing flange for interlocked socket-outlet boards	579713




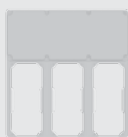
ENCLOSURES

HIGH CAPACITY ENCLOSURES IP66

	Dimensions	No. of installable socket-outlets	No. of modules EN50022	Power dissipation allowed (W)	Code
	122x395	1	5	22	579741
	239x456	2	10	40	579742
	350x456	3 (1 blind cover included)	16	56	579743
	461x456	4 (1 blind cover included)	22	70	579744

Enclosures are supplied with adjustable din rails, wire clamps, hinges, insulation caps, fixing screws.

BLIND COMPACT ENCLOSURES IP66

	Dimensions	No. of installable socket-outlets	Power dissipation allowed (W)	Code
	108x260	1	22	579710
	122x395	1	22	579721
	250x395	2	40	579722
	380x395	3	56	579723

WINDOWS FOR IP66 BLIND COMPACT ENCLOSURES

IP65




Matching enclosure	No. of modules EN50022	Code
579721	2	579451
579722	12	579452
579723	18	579453






INTERLOCKED SOCKETS 63A

63A INTERLOCKED SOCKET-OUTLETS IEC 60309

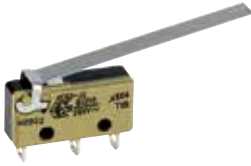
		Current	Number of poles	110V 50-60 Hz	230V 50-60 Hz	400V 50-60 Hz
 IP65	63		3	481324	481326	481329
			4	481334	481339	481336
			5	481344	481349	481346

ENCLOSURES

	Dimensions	No. of installable socket-outlets	No. of modules EN50022	Power dissipation allowed (W)	Code
 IP55	115x290	1	-	22	579400
 IP65	122x452	1	5	40	579631
 IP65	122x452	1	-	56	579421

ACCESSORIES

Auxiliary plug inserted signal contact



Compatible with topTER sockets for 1 auxiliary contact
topTer interlocked sockets for 16/32A 2 contacts

579850

Closing flange with additional openings



Flange dimensions: 88x100mm

579842

DIN EN50022 Guide kit



for code 579742 and code 579824

579852

for code 579743 and code 579826

579853

for code 579744 and code 579828

579854

Equipotential bars



4 holes M5 for wire ends up to 25mmq

579013

10 holes M5 for wire ends up to 25mmq

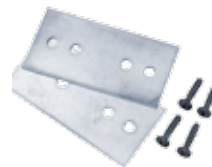
579014

Handles



579011

Stainless steel junction plates



579012

Support



570010

Din rail for domestic and data devices



MODULES

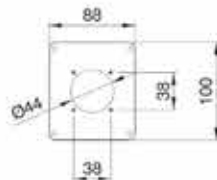
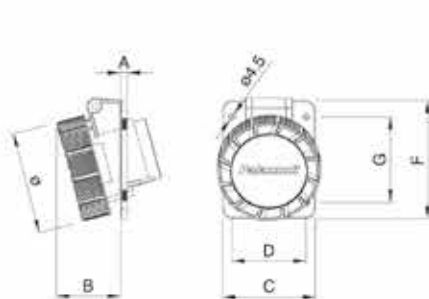
CODE

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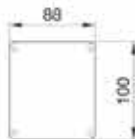
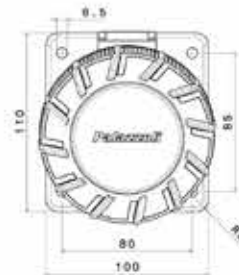
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2

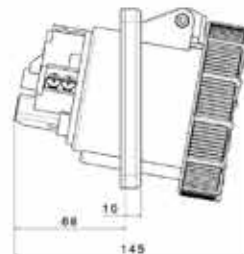
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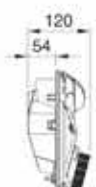
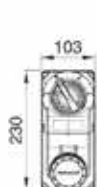
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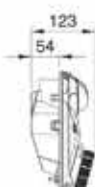
Cod. 579842



Rated current (A)	No. poles	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	G (mm)	e (mm)
16	2P++	5	45	55	52	83	80	72
	3P++	5	46	55	52	83	80	80
	3P+N++	7	47	68	77	100	85	88
32	2P++	7	54	68	77	100	85	93
	3P++	7	54	68	77	100	85	93
	3P+N++	7	55	88	77	100	85	100



2P++ 16A



3P++ 16A



3P+N++ 16A

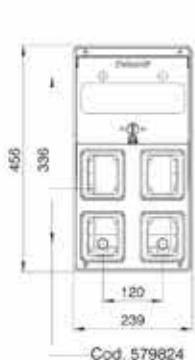


2P++ and 3P++ 32A

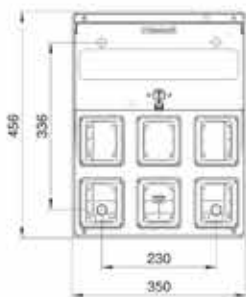


3P+N++ 32A

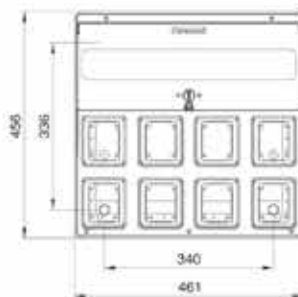
topTER series – fröccsenő víz ellen védett és vízmentes kombinációk és tartozékok IP 44 – IP66/67 ipari aljzatok szereléséhez



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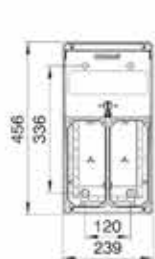
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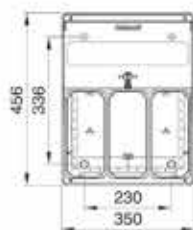
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Cod. 579822
Cod. 579823



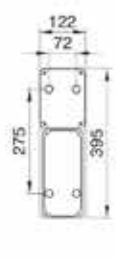
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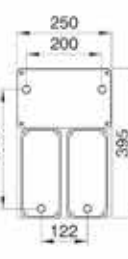
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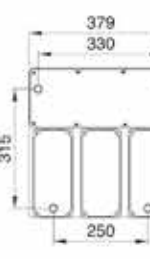
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Cod.579721



Cod.579722



Cod.579723



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MAKE YOUR OWN ASSEMBLY

**EASY COMPOSER
WWW.PALAZZOLI.COM**

**1 SELECT THE DISTRIBUTION BOARD
TYPE:
NON INTERLOCKED
OR INTERLOCKED**

2 SELECT THE ENCLOSURE SIZE

**3 SELECT SOCKET-OUTLETS
AND ACCESORIES**

**4 BILL OF MATERIAL
AUTOMATICALLY CREATED**

**5 FINISHED
PRODUCT**



topTER



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