



ELECTRIFICATION SMART POWER, DECEMBER 2019

Product Life Cycle Announcement

OC, OM, ON, OL Cam Switches

PRODUCTS

Legacy Product Line (to be replaced)	Replacement Product Line
 <p>OC Cam Switches</p>	<p>X No replacement</p>
 <p>OM, ON, OL Cam Switches</p>	<p>X No replacement</p>

See Appendix for affected catalog numbers.

LIFE CYCLE CHANGE SCHEDULE

	Classic	Last Time Buy	Limited	Obsolete
OC Cam Switches	01/01/2020	08/31/2020	07/01/2020	12/31/2020
OM, ON, OL Cam switches	01/01/2020	08/31/2020	07/01/2020	12/31/2020

KEY LIFECYCLE DATES

	Price Increase (%)	Price Increase Effective	SPA Invalid	Not Returnable
OC Cam Switches	10%	07/01/2020	08/31/2020	07/01/2020
OM, ON, OL Cam switches	10%	07/01/2020	08/31/2020	07/01/2020

The manufacturing end date is December 31, 2020.

LIFE CYCLE PHASE DESCRIPTIONS

	Active	Classic	Limited	Obsolete
Status	Product is actively marketed and sold.	Product will be replaced but is still available for sales, mainly for spares and expansion projects.	Limited manufacturing/stock availability	Product is no longer available nor saleable.
Product available for sales	✓	✓	Not guaranteed	X
Spares availability for sales	✓	✓	✓	Not guaranteed
Product on stock	✓	✓	Not guaranteed	X
Available in online tools	✓	✓	✓	X
Maintenance and repair	✓	✓	✓	Not guaranteed

PRODUCT SPECIFIC SUPPORT RESOURCES

LEGACY PRODUCT:

Product Site

<https://new.abb.com/low-voltage/products/switches/rotary-cam-switches>

OC Configurator

<https://camweb2.com/camweb2/main>

OM/ON/OL Configurator

<https://a.salesconfigurator.com/camline/webui>

ABB will not deliver any piece or product after December, this includes all finished goods: OC*, OM*, ON* and OL*, and all components associated (including spare parts, accessories, etc.)

CamWeb and CamWeb2 will stay as read-only for a period of 5 years.

SMART POWER ANNOUNCEMENT PROCESS

No.	Lifecycle Status Change
1	Classic announcement (6 mo. before Classic start date)
2	Last Buy and Limited announcement (during the Classic phase, before Limited start date)
3	Obsolete announcement (6 mo. before Obsolete start date)
4	Obsolete final announcement (1 mo. before Obsolete date)

See Appendix for Revision Table.

GENERAL CONVERSION SUPPORT RESOURCES

ABB Library - <https://library.abb.com/en>

US Technical Support Contact - eppc.support@us.abb.com

Sales Notice

It is the responsibility of the sales team to inform affected customers of the life cycle change. An external communication letter will be provided to support distribution of information.

Exception Policy

No exceptions allowed for the Cam Switches included in this announcement.

Please contact your ABB Customer Service Representative for any requests regarding pricing, inventory, product returns, rebates or stock rotational policies.

APPENDIX

APPENDIX A – AFFECTED LEGACY PRODUCTS CATALOG NUMBERS

Product Line	Catalog number
OC Cam Switches	OC*
OM, ON, OL Cam Switches	OM*, ON*, OL*














Where * is variable in catalog number, which changes per application

OC Cam Switches Catalog Screenshots

Option: OC N 0 N

Position: 1 2 3 4 5 6 7 8 9

Order code template for Standard cam switches, options for positions for 1, 3 and 4 from table below, options for positions 2, 7 and 9 from pages 40...56.

Position	Position explanation	Option	Option explanation	Handle	
				OC10	OC25
1	Cam switch size	OC10G	Current rating I _n =10A		
		OC25G	Current rating I _n =25A		
2	Number of contacts		See pages 41...56	max. 16	max. 24
3	Mounting and handle type	PN	Door mounting, Snap-on, Nose handle, IP66		
		RN	Door mounting, Screw mounting, Nose handle, IP66		
		PX	Door mounting, Snap-on, Nose handle, Round front ring, IP66		
		KN	Door mounting, Snap-on, Key operated, IP54		
		KX	Door mounting, Snap-on, Key operated, Round front ring, IP54		
		P3	Door mounting, Snap-on, Round padlockable, IP67, OC25 only		
		R3	Door mounting, Screw mounting, Round padlockable, IP67, OC25 only		
		MN	Base mounting, Modular, IP20, OC25 only		
4	Handle colour	B	Black (not available for "Modular")		
		G	Grey		
		Y	Red-yellow handle*		
5, 6	Options for customized cam switches	N, 0	N and 0 for standard switches. For alternate options, see page 57...60		
7	Legend plate	0	No legend plate		
		P	With additional legend plate, see pages 51..54		
8	Configuration	N	Followed by function code		
9	Function code	_____	See pages 41...56		

* Only for padlockable handles
















Type designation

Rotary cam switches OC10...25, standard and customized

Option: **OC 25 G 01 PN B N 0 0 N A1**










Position: **1 2 3 4 5 6 7 8 9**

Order code example

Position	Description	Option	OC10	OC25
1	Cam switch size		OC10 G	OC25 G
	Current rating, I _n [A]		10	25
2	Number of contacts		01...16	01...24, up to 72 (triple gang)
3	Mounting type and Handle type			
	Base mounting, Modular, IP20			MN 
	Door mounting, Snap-on, Nose handle, IP66	FN		FN 
	Door mounting, Screw mounting, Nose handle, IP40 or IP66	RN		RN 
	Base mounting, Snap-on, Nose handle, IP66, with shaft			BN 
	Base mounting, Snap-on, Direct Nose handle, IP66			DN 
	Door mounting, Snap-on, Nose handle, Large front plate, IP66			FM 
	Door mounting, Screw mounting, Nose handle, Large front plate, IP40 or IP66			RM 
	Base mounting, Snap-on, Nose handle, Large front plate, IP66, with shaft			BM 
	Base mounting, Snap-on, Direct Nose handle, Large front plate, IP66			DM 
	Door mounting, Snap-on, Extended handle, IP66			FE 
	Door mounting, Screw mounting, Extended handle, IP40 or IP66			RE 
	Base mounting, Snap-on, Extended handle, IP66, with shaft			BE 
	Base mounting, Snap-on, Extended handle, IP66			DE 
	Base mounting, Snap-on, Direct Extended handle, IP66			DE 
	Door mounting, Snap-on, Extended handle, Large front plate, IP66			PF
	Door mounting, Screw mounting, Extended handle, Large front plate, IP40 or IP66			RF
	Base mounting, Screw mounting, Direct extended handle, Large front plate, IP40 or IP66 ¹⁾			CF
	Base mounting, Snap-on, Extended handle, Large front plate, IP66, with shaft			BF
	Base mounting, Snap-on, Direct Extended handle, Large front plate, IP66			DF
	Door mounting, Snap-on, Nose handle, Padlockable, IP66			F1
	Door mounting, Screw mounting, Nose handle, Padlockable, IP40 or IP66			R1
	Base mounting, Snap-on, Nose handle, Padlockable, IP66, with shaft			B1
	Base mounting, Snap-on, Direct Nose handle, Padlockable, IP66			D1
	Door mounting, Snap-on, Extended handle, Padlockable, Large front plate, IP66			P2
	Door mounting, Screw mounting, Extended handle, Padlockable, Large front plate, IP40 or IP66			R2
	Base mounting, Snap-on, Extended handle, Padlockable, Large front plate, IP66, with shaft			B2
	Base mounting, Snap-on, Direct Extended handle, Padlockable, Large front plate, IP66			D2
	Base mounting, Screw mounting, Direct extended handle, Padlockable, Large front plate, IP40 or IP66 ¹⁾			C2
	Door mounting, Snap-on, Round padlockable, IP67			F3
	Door mounting, Screw mounting, Round padlockable, IP40 or IP67			R3
	Base mounting, Snap-on, Round padlockable, IP67, with shaft			B3

¹⁾ For tandem or triple gang only (see position 6)

Option:	OC 25 G 01 PN B N 0 0 N A1								
Position:	1	2	3	4	5	6	7	8	9
Order code example									

Position	Description	Option			
		OC10		OC25	
3	Continued from previous page. Mounting type and Handle type				
	Door mounting, Snap-on, Nose handle, Round front ring, IP66	PX		PX	
	Door mounting, Snap-on, Key operated, IP54	KN		KN	
	Door mounting, Snap-on, Key operated, Large front plate, IP54			KM	
	Door mounting, Snap-on, Key operated, Round front ring, IP54	KX		KX	
	Door mounting, Screw mounting, Key Interlock, IP40 or IP65			QN	
	Door mounting, Screw mounting, Key interlock, Large front plate, IP40 or IP65			QM	
4	Colour option				
	No handle	0		0	
	Black	B		B	(Not available for "Modular")
	Grey	G		G	
	Red (Only for round padlockable handle)			R	
	Red-yellow (Available for all padlockable handles)			Y	
5	Terminal type/contact material				
	Standard box (tunnel) terminals	N		N	
	Standard box (tunnel) terminals, Gold contacts	G		G	
6	Mechanical option				
	No options 2	0		0	
	Metallic shaft option for Door mounting, Screw mounting			T	
	Tandem gang for 25A frame up to 24+24 contacts			2	
	Triple gang for 25A frame up to 24+24+24 contacts			3	

Option:	OC 25 G 01 PN B N 0 0 N A1								
Position:	1	2	3	4	5	6	7	8	9
Order code example									

Position	Description	Option	
		OC10	OC25
7	Legend and IP option		
	No options	0	0
	Additional lettering plate (Not available with round front ring)	P	P
	Handle IP40 (option for screw mounted handles)	H	H
	Additional lettering plate and handle IP40 (option for screw mounted handles only)	E	E
8	Configuration		
	Cam Switch (Followed by function code)	N	N
9	Index number for Special Cam Switches		
	Index number for cam switches generated in Camweb2	SXXXX	SXXXX
9	Function code for cam switches, see pages 40...55		
	ON - OFF switches		
	O-position: 9 o'clock, step angle 90°	A1... A8	A1... A8, B1... B8
	O-position: 12 o'clock, step angle 90°	A01... A06	A01...A08, B01... B08
	O-position: 12 o'clock, step angle 30°, spring return		R01...R08
	O-position: 12 and 6 o'clock, step angle 90°, late break		BB3
	O-position: 9 o'clock, step angle 90°, fourth pole with later break		AC4, AC8
	Change-over switches		
	With O-position, step angle 60°	U1...U4	U1...U10, UB1...UB8, UA1...UA8, UM1...UM8, UH1, US1...US8, UK1...UK8, UP1...UP8, UZ1...UZ6
	With O-position, with two sided spring return, step angle 30°	URR1...URR3	URR1...URR6
	With O-position, with two sided spring return, step angle 30°, without jumbers		URZ1...URZ6
	Without O-position, step angle 60°	WS1...WS5	WS1... WS10, WR1...WR8, WA1...WA8, WZ1...WZ6
	With overlapping contacts, step angle 60°	WC1...WC4	WC1...WC4
	With common center position and with overlapping contacts, step angle 60°	UC3, UC4	UC3, UC4
	Bypass switches		
	With O-position, step angle 60°, without overlapping, 3 and 4- pole network	WS36, WS48	WS36, WS48
	Without O-position, step angle 60°, with overlapping, 3 and 4- pole network	PW36, PW48	PW36, PW48
	Multistep switches		
	2- step, with O-position	SO21... SO24	SO21... SO24
	3- step, with O-position	SO31... SO34	SO31... SO34
	3- step, without O-position	ST31...ST34	ST31...ST34
	4- step, with O-position	SO41... SO43	SO41... SO43
	4- step, without O-position	ST41...ST43	ST41...ST43
	5- step, with O-position	SO51, SO52	SO51, SO52
	5- step, without O-position	ST51, ST52	ST51, ST52
	6-step, with O-position	SO61... SO63	SO61... SO63
	6-step, without O-position	ST61...ST63	ST61...ST63
	7-step, with O-position	SO71	SO71
	7-step, without O-position	ST71	ST71

Option:	OC 25 G 01 PN B N 0 0 N A1								
Position:	1	2	3	4	5	6	7	8	9
Order code example									

Position	Description	Option	
		OC10	OC25
9	Continued from previous page. Function code for cam switches, see pages 40...55		
	8-step, with 0-position	SO81	SO81
	8-step, without 0-position	ST81	ST81
	9-step, with 0-position	SO91	SO91
	9-step, without 0-position	ST91	ST91
	10-step, with 0-position	SO10	SO10
	10-step, without 0-position	ST10	ST10
	11-step, with 0-position	SO11	SO11
	11-step, without 0-position	ST11	ST11
	12-step, without 0-position	ST12	ST12
	Motor control switches		
	Ventilation switches	ST30	ST30
	Reversing switches	W2, W3	W2, W3
	Star-delta switches	SD	SD
	Pole-change switches (Dahlander)	F12	F12
	Pumpstart switches	SE15	SE15
	Stop switches	SA2	SA2
	Start switches, Stop-Start	SEA1	SEA1
	Start switches, 0-1-Start	SEA0	SEA0
	Start switches, 0-Start	SE2	SE2
	Start switches, Start-1-0-2-Start	UR13	UR13
	Voltmeter switches		
	3 Positions, 3 phase -3 wire, without 0-position, step angle 45°	VN3	VN3
	4 Positions, 3 phase -3 wire, with 0-position, step angle 45°	V3, VT3, VGR3, VGL3	V3, VT3, VGR3, VGL3
	6 Positions, 3 phase to phase 3 phase to neutral, without 0-position, step angle 30°	VN30	VN30
	7 Positions, 3 phase to phase 3 phase to neutral, with 0-position, step angle 45°	V30, VT30, VR30	V30, VT30, VR30
	7 Positions, 3 phase to phase voltages for 2 circuits, with 0 position, step angle 45°	V32	V32
	Ammeter switches		
	For 3 current transformer circuits, with 0-position, step angle 90°	AU31/32, AR31/32, AS31/32	AU31/32, AR31/32, AS31/32
	Volt-ammeter switches		
	Voltmeter contacts closer to handle	VA21	VA21
	Ammeter contacts closer to handle	AV12	AV12
	Binarycode switches		
	With 0-position, step angle 30°	B070, B071, B072, B090, B091, B092, B110, B112	B070, B071, B072, B090, B091, B092, B110, B112

OM, ON, OL Cam Switches Catalog Screenshots

Standard

CAM SWITCHES RANGE



Black handle and silver front plate with standard text are included.

Cam switch size
I / IEC 60947 [A]
UL 508 [A]

Positions

ON-OFF switches

Rotating angle 90, 0-position: 9 o'clock	
Black handle	1 - 0
Key operated	1 - 0
Rotating angle 90, 0-position: 12 o'clock	
Black handle	1 - 0
Key operated	1 - 0

Change-over switches

Rotating angle 60 - 0 - 60, with 0-position	
Black handle	1 - 0 - 2
Key operated	1 - 0 - 2
Key operated, with two sided spring return	1 _n - 0 - 2 _n
Rotating angle 60 - 60, without 0-position	1 - 2
With overlapping contacts	1 - 2
With common center position and with overlapping contacts	1 - 1 + 2 - 2

Bypass switches

Without overlapping, for 3 and 4-pole net	1 - 0 - Bypass
With overlapping, for 3 and 4-pole net	1 - Bypass

Multistep switches

With 0-position	
2 - step switches	0-1-2
3 - step switches	0-1-2-3
4 - step switches	0-1-2-3-4
5 - step switches	0-1-2-3-4-5
6 - step switches	0-1-2-3-4-5-6
7, 8, 9, 10 and 11 - step switches	0-1-2-3-4-5-6-7-8...-11
Without 0-position	
3 - step switches	1-2-3
4 - step switches	1-2-3-4
5 - step switches	1-2-3-4-5
6 - step switches	1-2-3-4-5-6
7, 8, 9, 10, 11 and 12 - step switches	1-2-3-4-5-6-7-8...-12

Motor control switches

Ventilation switches	A - 0 - 1/2 - 1/1
Reversing switches	1 - 0 - 2
Star-delta switches	0 - Y - Δ
Pole-change switches (Dahlander)	0 - A - AYY
Pumpstart switches	0 - 1
Stop switches	0 _n - Stop
Start switches	Stop - Start
	0 _n - Start
	0 - 1 _n - Start
	Start - 1 _n - 0 - 2 _n - Start

Voltmeter switches

4 positions, 3 phase - 3 wire, with 0-position	0, L1-L2, L2-L3, L3-L1
3 positions, 3 phase - 3 wire, without 0-position	L1-L2, L2-L3, L3-L1
6 positions, 3 phase to phase, 3 phase to neutral, without 0-position	L1-L3, L2-L3, L1-L2, L1-N, L2-N, L3-N
7 positions, 3 phase to phase, 3 phase to neutral, with 0-position	L1-L3, L2-L3, L1-L2, 0, L1-N, L2-N, L3-N
7 positions, 3 phase to phase voltages for 2 circuits, with 0-position	L1-L3, L2-L3, L1-L2, 0, L1-L3, L2-L3, L1-L2

Ammeter switches


For 3 current transformer circuits, with 0-position	0 - 1 - 2 - 3
-----------------------------------------------------	---------------

Volt-ammeter switches

3 phases and 3 current transformers with common pole	OFF - 1 - 2 - 3
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Binarycode switches

	0-1-2-3-4-5-6-7...-9...-11
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Door mounted					DIN rail mounted			
OM	ON	OL40	OL63	OL80N	OL125	OL160	OL200	ON_M
10	25	45	63	80	150	175	315	25
10	25	40	-	-	125	160	200	25
1, 2, 3, 4, 5, 6 and 8- pole 1, 2 and 3- pole		-	1, 2, 3, 4, 6 and 8- pole			-	1, 2, 3 and 6- pole	
1, 2, 3, 4, 5 and 6- pole 1, 2 and 3- pole		-	-			-	1, 2, 3 and 6- pole	
1, 2, 3 and 4- pole 1 and 3- pole		-	1, 2, 3 and 4- pole			-	1, 2, 3 and 4- pole	
1 and 3- pole		1, 2 and 3- pole	-			-	1- pole	
1, 2, 3 and 4- pole		1, 2, 3 and 4- pole	1, 2, 3 and 4- pole			-	1, 2, 3 and 4- pole	
1, 2, 3 and 4- pole		1, 2, 3 and 4- pole	1, 2, 3 and 4- pole			-	-	
-		3 and 4- pole	3 and 4- pole			-	-	
-		3 / 6- pole, 4 / 8- pole	3 / 6- pole, 4 / 8- pole			-	-	
-		3 / 6- pole, 4 / 8- pole	3 / 6- pole, 4 / 8- pole			-	-	
1, 2, 3 and 4- pole		-	-			-	1- pole	
1, 2, 3 and 4- pole		1- pole	1- pole			-	1- pole	
1, 2 and 3- pole		-	-			-	-	
1 and 2- pole		-	-			-	-	
-		1, 2 and 3- pole	-			-	-	
-		1- pole	-			-	-	
1, 2, 3 and 4- pole		-	-			-	1- pole	
1, 2 and 3- pole		-	-			-	-	
1 and 2- pole		-	-			-	-	
-		1, 2 and 3- pole	-			-	-	
-		1- pole	-			-	-	
-		2- pole	-			-	1- pole	
-		2 and 3- pole	3- pole			-	-	
-		3- pole	-			3- pole	-	
-		3- pole	-			3- pole	-	
1- pole		-	-			-	1- pole	
2- pole		-	-			-	-	
-		1- pole	-			-	-	
1- pole		-	-			-	1- pole	
1- pole		-	-			-	1- pole	
-		1- pole	-			-	-	
3- pole		-	-			-	3- pole	
3- pole		-	-			-	3- pole	
3- pole		-	-			-	3- pole	
3- pole		-	-			-	3- pole	
4- pole		-	-			-	-	
1- pole		1 and 2- pole	-			-	1- pole	
3- pole		-	-			-	-	
-		1 and 2- pole	-			-	-	

REVISION TABLE

Rev. #	Date	Description of Revision
1	12/10/2019	Lifecycle change announcement.