International Certifications E474136

UL 60947-4-1 and CSA C22.2 60947-4-1-14 Low-voltage Switch gear and control gear-part4-1: Contactors and motor-starters, Electromechanical Contactors and motor-starters.
Electrical ratings:

Model	General Purpose		HP rating				Max.short current	Max. voltage	Maximum Fuse Size
			Single Phase 2 pole		Three Phase 3 pole				
	Voltage V AC	Current A	110-120V	220-240V	220-240V	440-480V			
VS, AS ,A PS, R, C series	600	20	1.0	2.0	3.0	5.0	5KA	480V AC	35A
A, PS series	600	40	3.0	5.0	7.5	10.0	5KA	480V AC	75A
A & PS series	600	80	5.0	10.0	15.0	30.0	5KA	480V AC	125A
A series	600	120A	5.0	10.0	20.0	30.0	5KA	480V AC	125A

CSA Certified 186663

Applicable Requirements
CAN/CSA-C22.2 No. 0-M91-General Requirements-Canadian Electrical Code, PART II
CAN/CSA-C22.2 No. 14-05-Industrial Control Equipment
UL Standard No. 508, 17th-Industrial Control Equipment
CSA Std C22.2 No. 65-93-Wire Connectors

Rating: 20A, 25A, 40A, 80A

Model No.	General Purpose		HP rating			
			Single Phase / 2 pole		Three Phase / 3 pole	
	Voltage (V)	Current (A)	110-120V	220-240V	220-240V	440-480V
PART A: AX1Y1, PSX1Y1, VSX1Y1, ASX1Y1 Series	600	20	1.0	2.0	3.0	5.0
PART B: CY4 PSX2Y2 Series	600	25	1.0	2.0	3.0	5.0
PART C: A3Y3 PSX3Y3 Series	600	40	3.0	5.0	7.5	10.0
PART D: A6Y3 Series	600	80	5.0	10.0	15.0	30.0

TUV Rheinland Group

License No. R50062176
EN 60947-1: 2004
EN 60947-3: 1999+A1
EN 60947-4-1: 2001+A1
EN 60947-5-1: 2004

Rating: 20A, 25A, 40A, 63A, 80A

Series		A2Y1 PS2Y2 R2Y3	CY4	A3Y1	A4Y1	A6Y1
Rated frequency	Hz	50/60				
Thermal current Ith	A	20	25	40	63	80
Utilization category AC-1 (EN 60947-4-1)	-	16A, 660V	20A, 660V	32A, 660V	40A, 660V	63A, 660V
Utilization category AC-21A (EN 60947-3)	-	16A, 600V	20A, 600V	25A, 600V	32A, 600V	40A, 600V
Utilization category AC-22A (EN 60947-3)	-	16A, 600V	20A, 600V	32A, 600V	40A, 600V	63A, 600V
Utilization category AC-12 (EN 60947-5-1)	-	6A, 240V 4A, 440V	6A, 240V 4A, 440V	14A, 240V 6A, 440V	16A, 240V 7A, 440V	--
Rated short-time withstand current Icw	A	250	350	1000	1000	1000
Rated short-time making capacity Icm	KA	None				
Rated conditional short circuit current	KA	1	1	10	10	10
Kind of SCPD	-	Fuse (gL/gG)	Fuse (gL/gG)	Fuse (gL/gG)	Fuse (gL/gG)	Fuse (gL/gG)
Rating of SCPD	A	20A	25A	40A	65A	80A
Insulation Voltage Ui	V	690				
Impulse withstand Voltage Uimp	V	N				

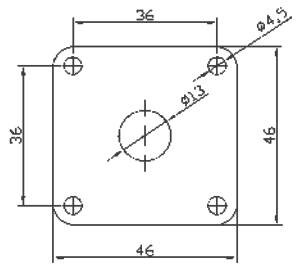
Certifications

Test specification

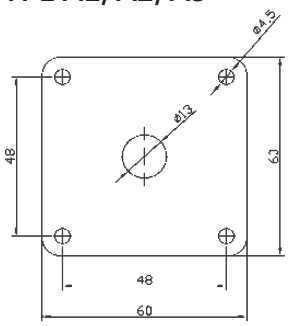
Standard: IEC 60947-3: 2008, AMD1: 2012, AMD2015 in conjunction
with IEC60947-1: 2007, AMD1: 2010, AMD2: 2014
Test procedure: CB Scheme, single phase and three phase, 50/60Hz

* CB scheme for cam switch rated 20A
  Ue: 690VAC, 50/60Hz, Ie: 20A Uimp: 6KV
  Uc: AC21A, AC22A, AC23A Short-circuit current: 1KA
* CB scheme for cam switch rated 40A
  Ue: 690VAC, 50/60Hz, Ie: 40A Uimp: 6KV
  Uc: AC21A, AC22A, AC23A Short-circuit current: 3KA
* CB scheme for cam switch rated 80A
  Ue: 690VAC, 50/60Hz, Ie: 80A Uimp: 6KV
  Uc: AC21A, AC22A, AC23A Short-circuit current: 5KA
* CB scheme for cam switch rated 100A
  Ue: 690VAC, 50/60Hz, Ie: 100A Uimp: 6KV
  Uc: AC21A, AC22A, AC23A Short-circuit current: 3KA

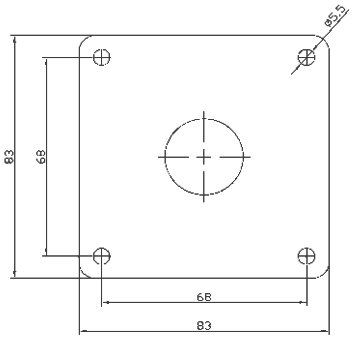
MOUNTING DIMENSIONS FOR TYPE A1, A2, A3



A1

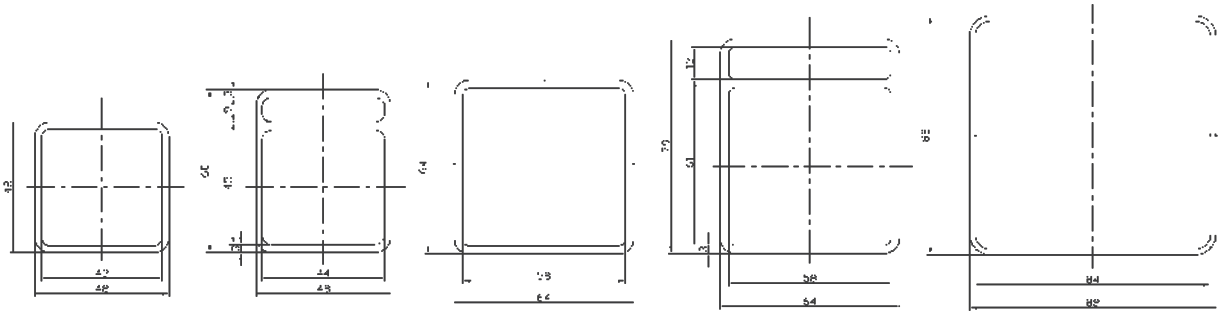


A2



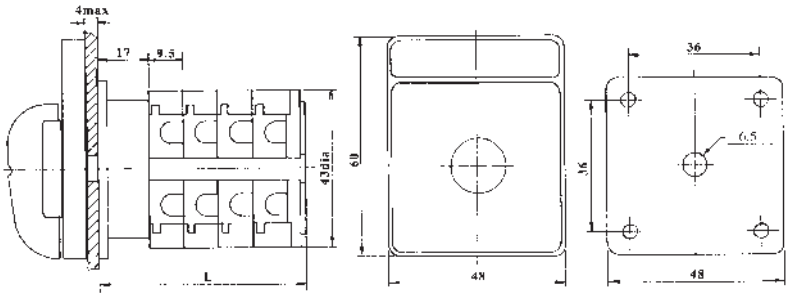
A3

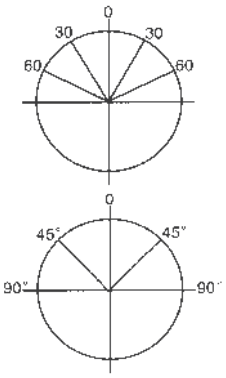
FRAME DIMENSIONS



F1 F2 F3 F4 F5

Dimensions for A2, PS2, R2, switches (20A)

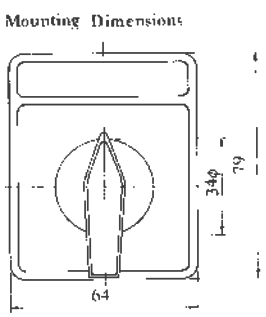


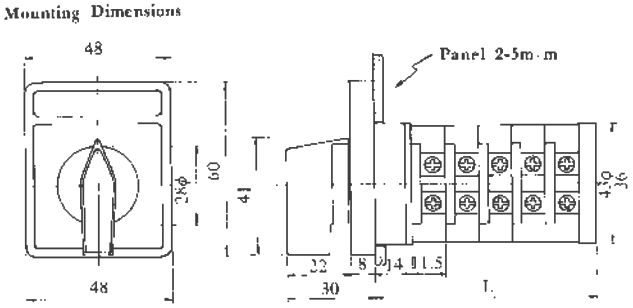




Total Number of stage	1	2	3	4	5	6	7	8
Length L	31.5	41	50.5	60	69.5	79	88.5	98

Dimensions for C series switches (20A, 25A)

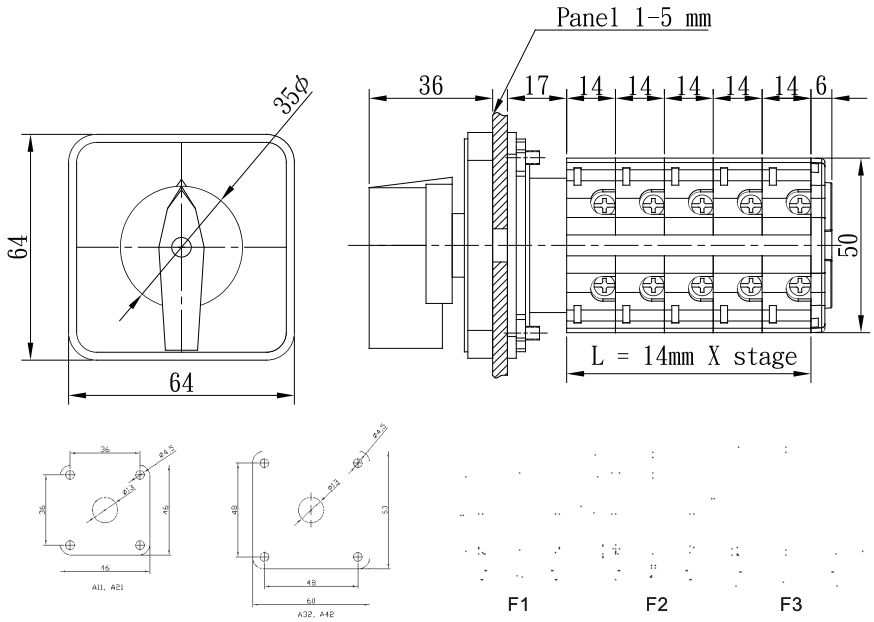






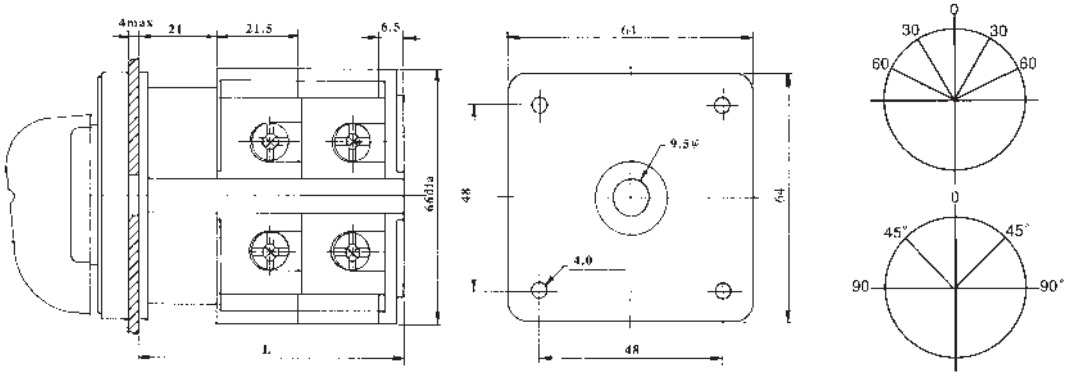
Total Number of stage	1	2	3	4	5	6	7	8	9	10
Length L	37	48 5	60	71 5	83	94 5	106	117 5	129	140 5

Dimensions for A40(40A), PS series 40A



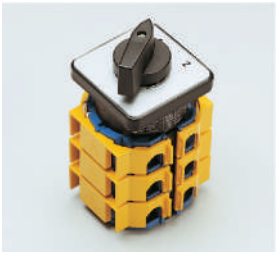


Dimensions for A80(80A) switches code No. A601~A624, PS61~PS64



Total Number of stage	1	2	3	4	5	6
Length L	49	70.5	92	113.5	135	156.5



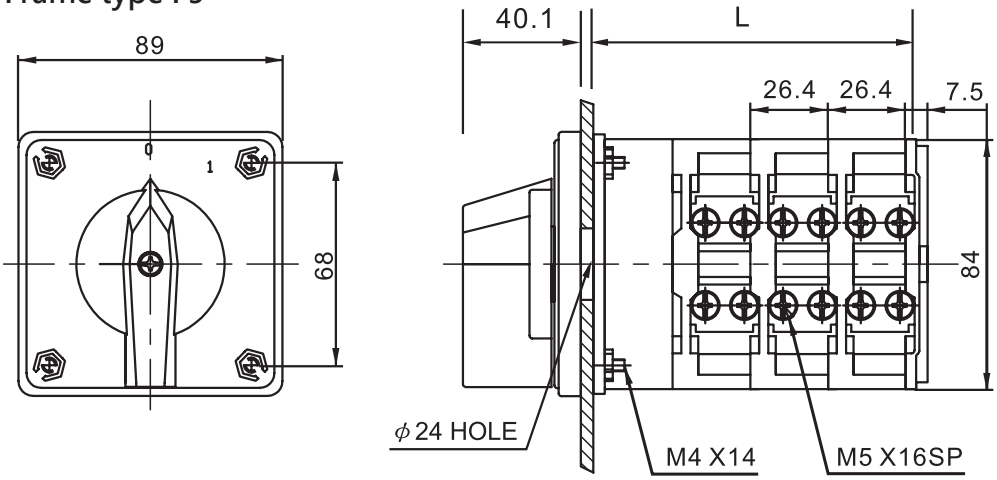


yellow safety cover

Mounting dimensions for 120A switches

Panel mounting type A3

Frame type F5



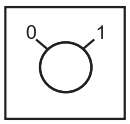


Total Number of stage	1	2	3	4	
Length L	61	87	113	140	

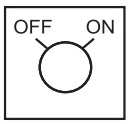
ON-OFF switches 90°, 60° witching 63A

Code No	Function	Stage
A601	1 Pole	1
A601A	2 Pole	1
A602	3 Pole	2
A602A	4 Pole	2
A603	5 Pole	3
A603A	6 Pole	3
A604	7 Pole	4
A604A	8 Pole	4

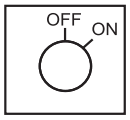
Escutch Plate



10

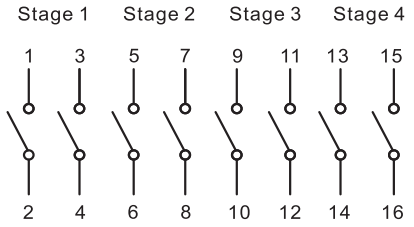


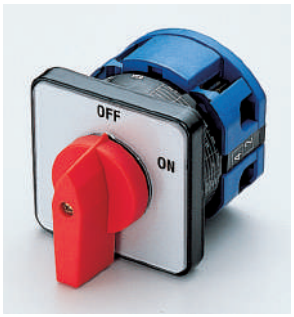
11



13

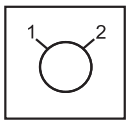
Connecting Diagram



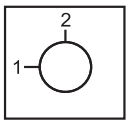


Change over switches without OFF 60°, 90° witching 63A

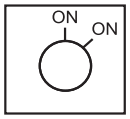
A607	1 Pole	1
A608	2 Pole	2
A609	3 Pole	3
A610	4 Pole	4



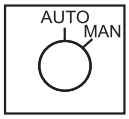
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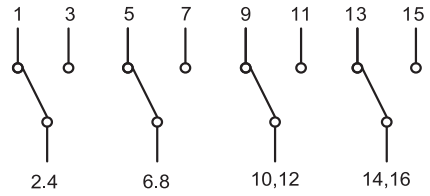
17



19



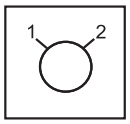
19A



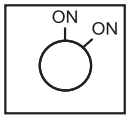


Change over switches without OFF with electrically isolated contacts 63A

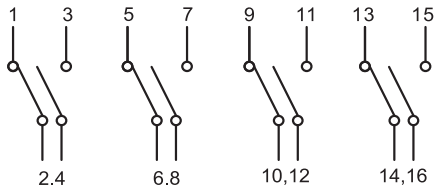
A613	1 Pole	1
A614	2 Pole	2
A615	3 Pole	3
A616	4 Pole	4



16



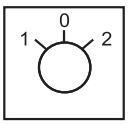
19



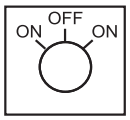


Change over switches with center OFF 90°, 60° 3A

A617	1 Pole	1
A618	2 Pole	2
A619	3 Pole	3
A620	4 Pole	4
A621	1 Pole	1
A622	2 Pole	2
A623	3 Pole	3
A624	4 Pole	4

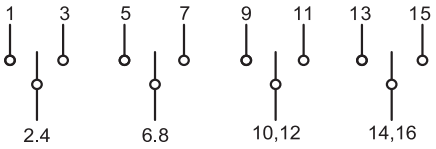


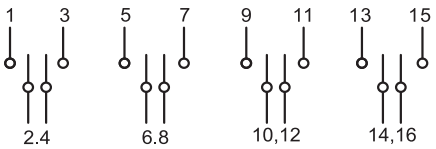
21



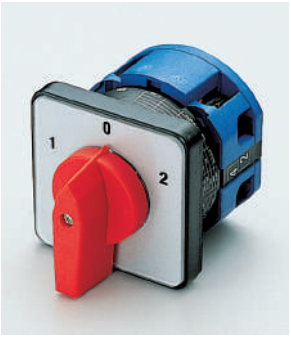
22

A617~A620





A621~A624



ON - OFF Power switches 90° 3A

PS61	1 Pole	1
PS62	2 Pole	1
PS63	3 Pole	2
PS64	4 Pole	2
PS65	5 Pole	3
PS66	6 Pole	3
PS67	7 Pole	4
PS68	8 Pole	4

