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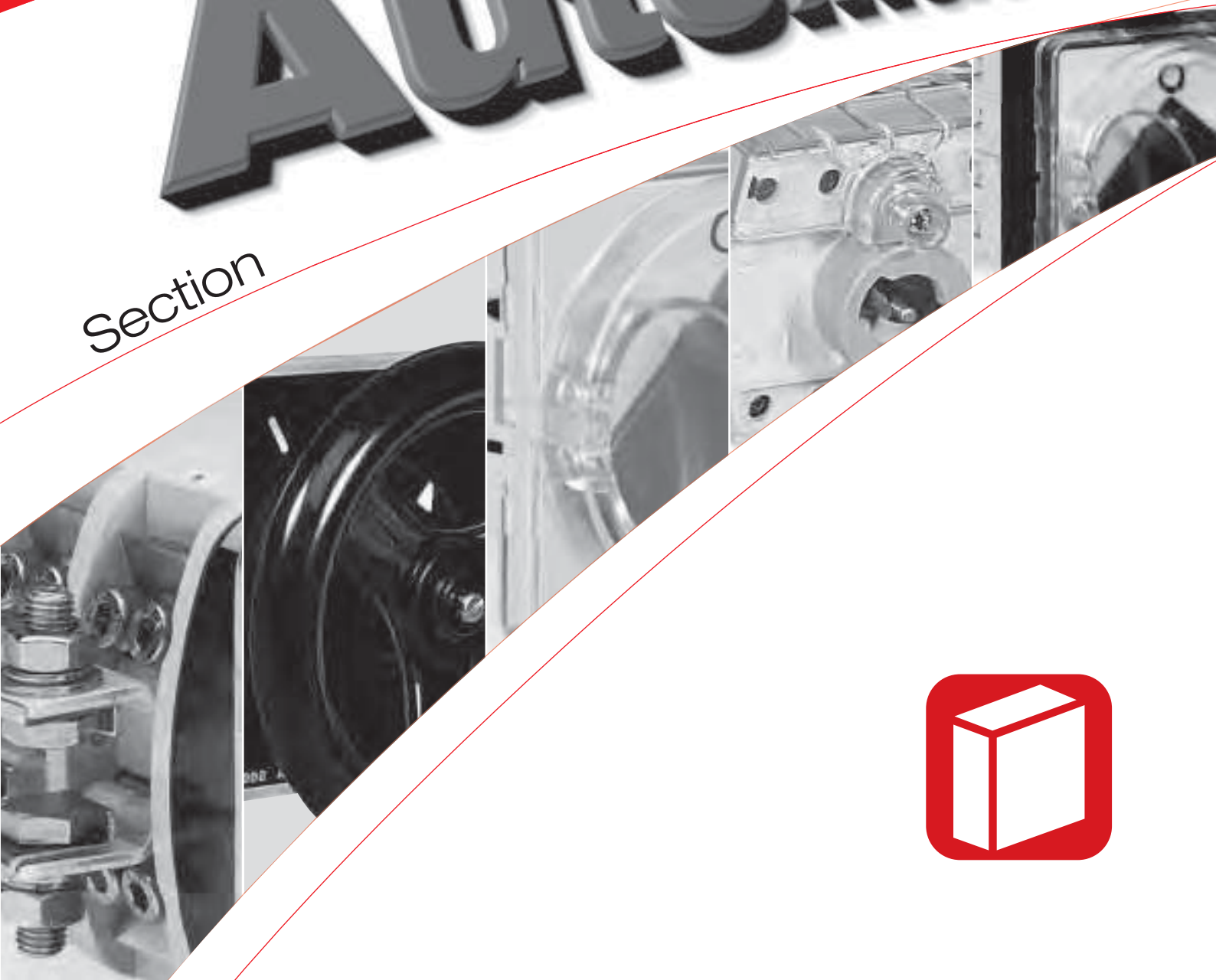
Automation

Section



CAM-ST MULTI-DIAGRAM CAM SWITCHES

SWITCHES In UP TO 63A - IP65 325

LINE SELECTOR SWITCHES
In UP TO 63A - IP65 326

LINE SELECTOR SWITCHES
In UP TO 25A - IP65 327

MOTOR SELECTOR SWITCHES
In UP TO 63A - IP65 330

INSTRUMENT SELECTOR SWITCHES
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ADDER AND MULTI-WAY SELECTOR SWITCHES
In UP TO 25A - IP65 334

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CAM-SZ ISOLATOR SWITCHES

REAR PANEL ISOLATOR SWITCHES
In UP TO 100A - IP65 345

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CONTROL, START, STOP AND EMERGENCY

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CONTROL AND LINE SECTIONING

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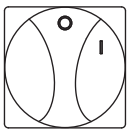
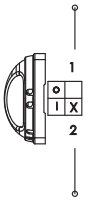
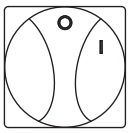
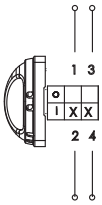
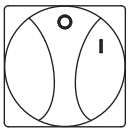
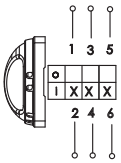
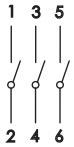
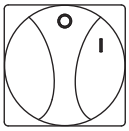
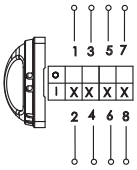
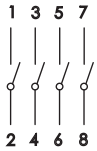
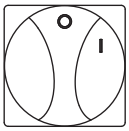
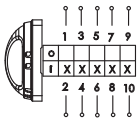
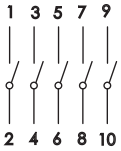
SWITCHES

Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Switch - 1-pole						layout 0 - no. 1 disk
		12	4,5	33	210121	211121
		16	6,5	33	210161	211161
		20	8	33	210201	211201
		25	10	33	210251	211251
		32	10,5	42,4		212321
		40	13	42,4		212401
		63	22	42,4		212631
Switch -2-poles						layout 1 - no. 1 disk
		12	4,5	33	210122	211122
		16	6,5	33	210162	211162
		20	8	33	210202	211202
		25	10	33	210252	211252
		32	10,5	42,4		212322
		40	13	42,4		212402
		63	22	42,4		212632
Switch - 3-poles						layout 2 - no. 2 disks
	 	12	4,5	46	210123	211123
		16	6,5	46	210163	211163
		20	8	46	210203	211203
		25	10	46	210253	211253
		32	10,5	59,4		212323
		40	13	59,4		212403
		63	22	59,4		212633
		12	4,5	46		214123* emergency
		16	6,5	46		214163* emergency
		20	8	46		214203* emergency
		25	10	46		214253* emergency
		32	10,5	59,4		214323* emergency
		40	13	59,4		214403* emergency
		63	22	59,4		214633* emergency
* red knob / yellow front-plate						
Switch - 4 poles						layout 3 - no. 2 disks
	 	12	4,5	46	210124	211124
		16	6,5	46	210164	211164
		20	8	46	210204	211204
		25	10	46	210254	211254
		32	10,5	59,4		212324
		40	13	59,4		212404
		63	22	59,4		212634
		12	4,5	46		214124* emergency
		16	6,5	46		214164* emergency
		20	8	46		214204* emergency
		25	10	46		214254* emergency
		32	10,5	59,4		214324* emergency
		40	13	59,4		214404* emergency
		63	22	59,4		214634* emergency
* red knob / yellow front-plate						
Switch -5-poles						layout 43 - no. 3 disks
	 	12	4,5	59	210125	211125
		16	6,5	59	210165	211165
		20	8	59	210205	211205
		25	10	59	210255	211255

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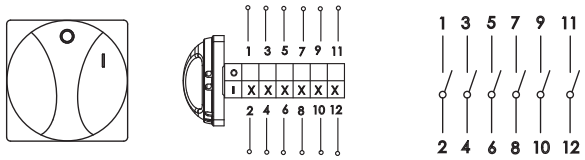
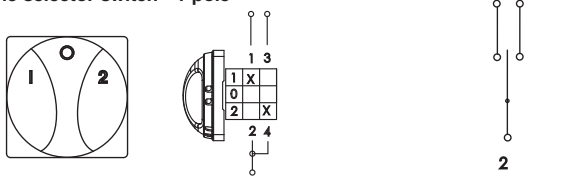
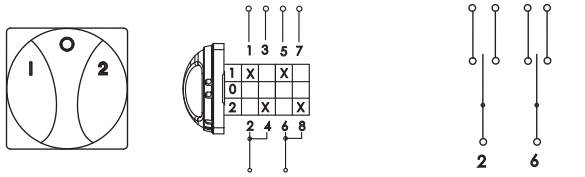
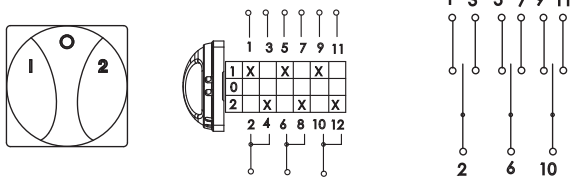
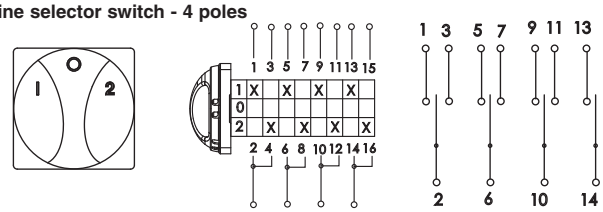
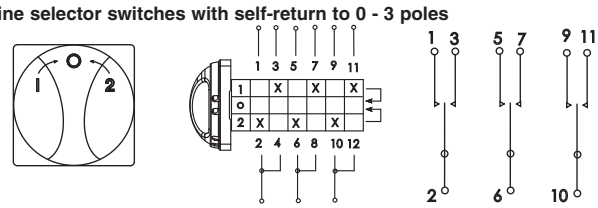
SWITCHES

Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Switch -6-poles						
						layout 44 - no. 3 disks
		12	4,5	59	210126	211126
		16	6,5	59	210166	211166
		20	8	59	210206	211206
		25	10	59	210256	211256

LINE SELECTOR SWITCHES

Line selector switch - 1 pole						layout 4 - no. 1 disk
		12	4,5	33	215121	216121
		16	6,5	33	215161	216161
		20	8	33	215201	216201
		25	10	33	215251	216251
		32	10,5	42,4		217321
		40	13	42,4		217401
		63	22	42,4		217631
Line selector switch - 2 poles						layout 5 - no. 2 disks
		12	4,5	46	215122	216122
		16	6,5	46	215162	216162
		20	8	46	215202	216202
		25	10	46	215252	216252
		32	10,5	59,4		217322
		40	13	59,4		217402
		63	22	59,4		217632
Line selector switch - 3 poles						layout 6 - no. 3 disks
		12	4,5	59	215123	216123
		16	6,5	59	215163	216163
		20	8	59	215203	216203
		25	10	59	215253	216253
		32	10,5	76,4		217323
		40	13	76,4		217403
		63	22	76,4		217633
Line selector switch - 4 poles						layout 7 - no. 4 disks
		12	4,5	72	215124	216124
		16	6,5	72	215164	216164
		20	8	72	215204	216204
		25	10	72	215254	216254
		32	10,5	93,4		217324
		40	13	93,4		217404
		63	22	93,4		217634
Line selector switches with self-return to 0 - 3 poles						layout 45 - no. 4 disks
		16	6,5	72	360163	361163
		25	10	72	360253	361253

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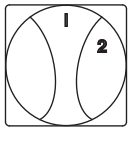
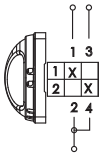
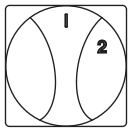
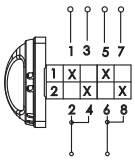
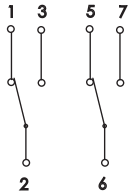
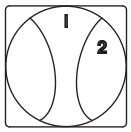
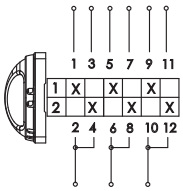
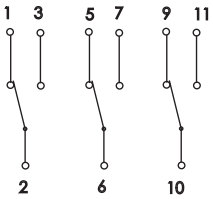
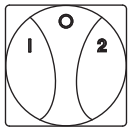
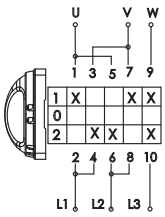
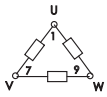
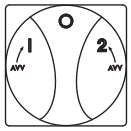
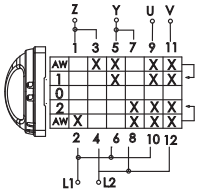
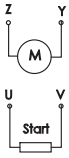
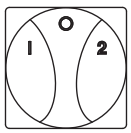
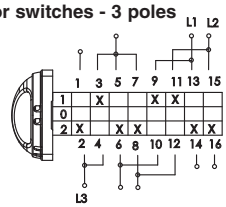
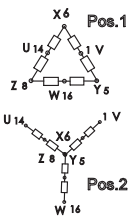
LINE SELECTOR SWITCHES

Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Line selector switches - 1 pole						
						layout 8 - no. 1 disk
		12	4,5	33	236121	237121
		16	6,5	33	236161	237161
		20	8	33	236201	237201
		25	10	33	236251	237251
Line selector switches -2 poles						
	 					layout 9 - no. 2 disks
		12	4,5	46	236122	237122
		16	6,5	46	236162	237162
		20	8	46	236202	237202
		25	10	46	236252	237252
Line selector switches - 3 poles						
	 					layout 10 - no. 3 disks
		12	4,5	59	236123	237123
		16	6,5	59	236163	237163
		20	8	59	236203	237203
		25	10	59	236253	237253

MOTOR SELECTOR SWITCHES

Three-phase reversing switches - 3 poles						
	 					layout 12 - no. 3 disks
		12	4,5	59	221123	222123
		16	6,5	59	221163	222163
		20	8	59	221203	222203
		25	10	59	221253	222253
		32	10,5	76,4		223323
		40	13	76,4		223403
		63	22	76,4		223633
Single-phase reversing switches - with auxiliary phase and automatic return - 2 poles						
	 					layout 40 - no. 3 disks
		12	4,5	59	224122	225123
		16	6,5	59	224162	225163
		20	8	59	224202	225202
		25	10	59	224252	225252
Dahlander pole selector switches - 3 poles						
	 					layout 66 - no. 4 disks
		12	4,5	72	381123	382123
		16	6,5	72	381163	382163
		20	8	72	381203	382203
		25	10	72	381253	382253

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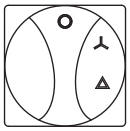
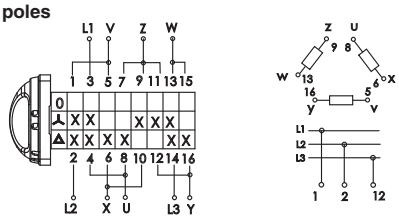
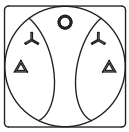
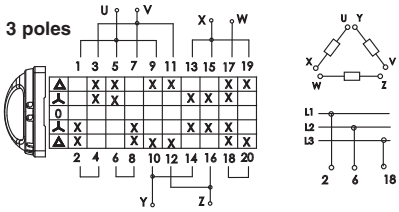
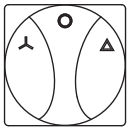
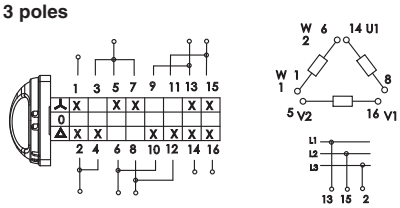
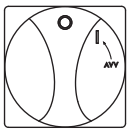
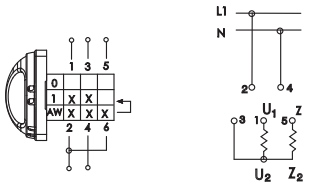
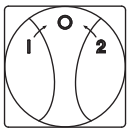
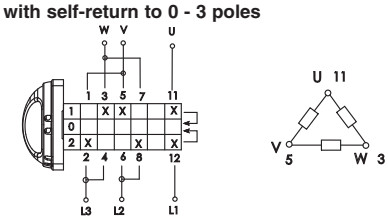
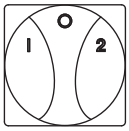
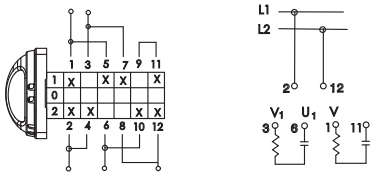
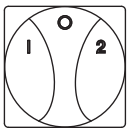
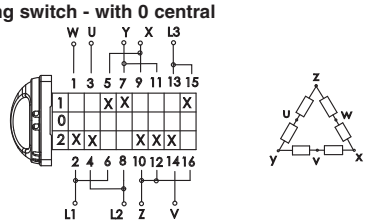
MOTOR SELECTOR SWITCHES

Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Star/triangle starters - 3 poles						layout 13 - no. 4 disks
		12	4,5	72	218123	219123
		16	6,5	72	218163	219163
		20	8	72	218203	219203
		25	10	72	218253	219253
		32	10,5	93,4		220323
		40	13	93,4		220403
		63	22	93,4		220633
Star/triangle starters with reverse direction - 3 poles						layout 65 - no. 5 disks
		12	4,5	85	377123	378123
		16	6,5	85	377163	378163
		20	8	85	377203	378203
		25	10	85	377253	378253
Star-0-triangle starters - 3 poles						layout 71 - no. 4 disks
		12	4,5	72	379123	380123
		16	6,5	72	379163	380163
		20	8	72	379203	380203
		25	10	72	379253	380253
Switch for single-phase motor - with auxiliary phase and return from start pos. - 2 poles						layout 68 - no. 2 disks
		12	4,5	46	385122	386122
		16	6,5	46	385162	386162
		20	8	46	385202	386202
		25	10	46	385252	386252
Line selector switches with self-return to 0 - 3 poles						layout 67 - no. 3 disks
		12	4,5	59	383123	384123
		16	6,5	59	383163	384163
		20	8	59	383203	384203
		25	10	59	383253	384253
Two-pole reversing switch with condenser - 3 poles						layout 70 - no. 3 disks
		12	4,5	59	387122	388122
		16	6,5	59	387162	388162
		20	8	59	387202	388202
		25	10	59	387252	388252
Three-pole pole changing switch - with 0 central						layout 15 - no. 4 disks
		12	4,5	72	226123	227123
		16	6,5	72	226163	227163
		20	8	72	226203	227203
		25	10	72	226253	227253
		32	10,5	93,4		228323
		40	13	93,4		228403
		63	22	93,4		228633

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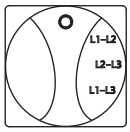
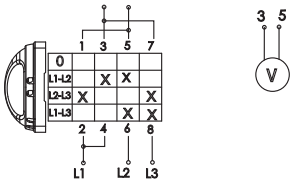
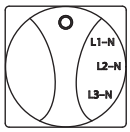
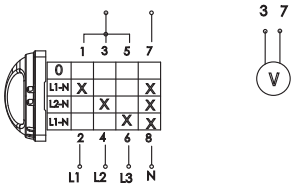
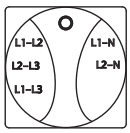
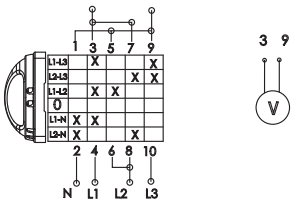
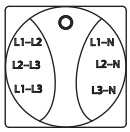
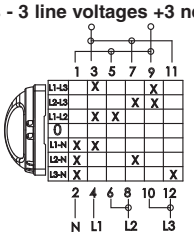
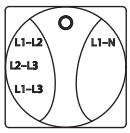
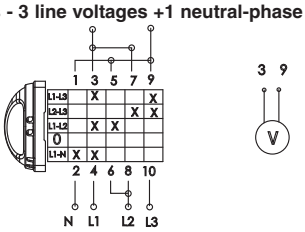
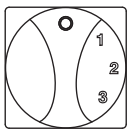
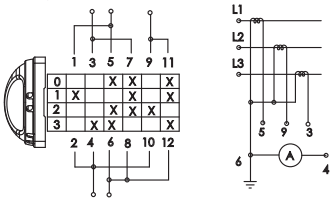
INSTRUMENT SELECTOR SWITCHES

Front-plate	Connection layout	In (A)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Voltmeter selector switches - 3 line phases					
					layout 18 - no. 2 disks
		12	33	229120	
		16	33	229160	
		25	33	229250	
Voltmeter selector switches - for 3 neutral-phase voltages					
					layout 19 - no. 2 disks
		12	46	230120	
		16	46	230160	
		25	46	230250	
Voltmeter selector switches - 3 line voltages +2 neutral-phase					
					layout 41 - no. 3 disks
		12	59	231120	
		16	59	231160	
Voltmeter selector switches - 3 line voltages +3 neutral-phase					
					layout 35 - no. 3 disks
		12	59	233120	
		16	59	233160	
		25	59	233250	
Voltmeter selector switches - 3 line voltages +1 neutral-phase					
					layout 42 - no. 3 disks
		12	59	234120	
		16	59	234160	
		25	59	234250	
Ammeter selector switches - single-pole for 3 reduction units					
					layout 75 - no. 3 disks
		12	59	235120	
		16	59	235160	
		20	59	235200	
		25		235250	

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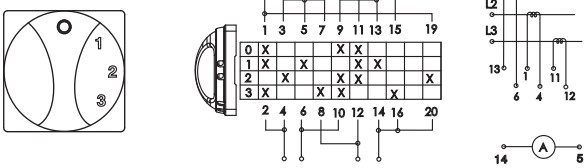
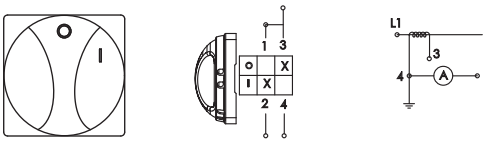
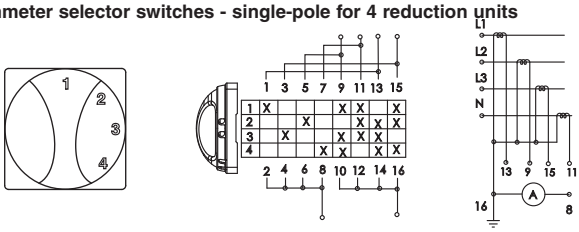
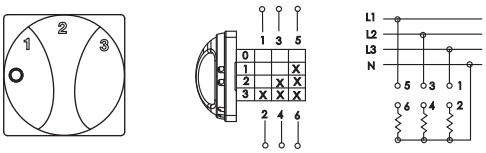
INSTRUMENT SELECTOR SWITCHES

Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Ammeter selector switches - two-pole for 3 reduction units						
						layout 74 - no. 5 disks
		12		85	390120	
		16		85	390160	
		20		85	390200	
		25		85	390250	
Ammeter selector switches - single-pole for 1 reduction unit						
						layout 73 - no. 1 disk
		12		33	391120	
		16		33	391160	
		20		33	391200	
		25		33	391250	
Ammeter selector switches - single-pole for 4 reduction units						
						layout 72 - no. 4 disks
		12		72	392120	
		16		72	392160	
		20		72	392200	
		25		72	392250	

ADDER AND MULTI-WAY SELECTOR SWITCHES

Adder - 3-poles

						layout 64 - no. 2 disks
		16	6,5	46	376161	
		25	10	46	376251	

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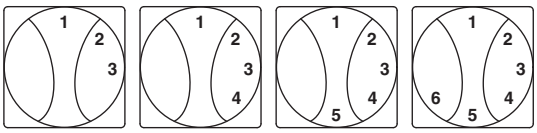
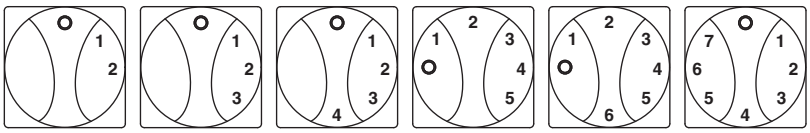
Multi-way selector switches (3, 4, 5, 6 ways) from page 334



Multi-way selector switches with 0 (2, 3, 4, 5, 6, 7 ways) from page 334



TECHNICAL ACCESSORIES

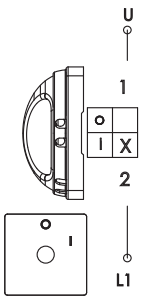
Wall-mounted enclosure with provision for front panel control of a rear panel device - screw fixing page 339

Blind wall-mounted enclosure suitable for fitting a maximum of 2 rear panel devices – screw or ø 22mm hole fixing page 339

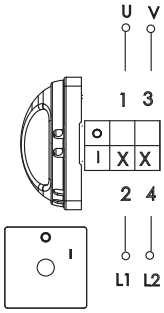
Adaptor for mounting on ø 22mm hole devices for screw fixing page 339

Switches

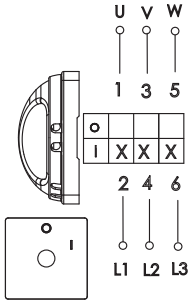
CAM 0 - Single-pole



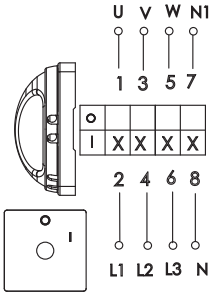
CAM 1 - Two-pole



CAM 2 - Three-pole

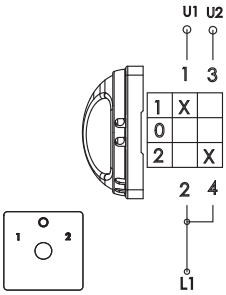


CAM 3 - Four-pole

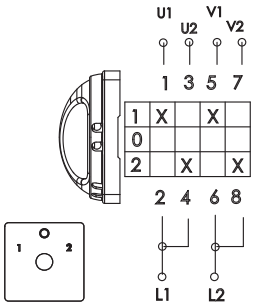


Line selector switches

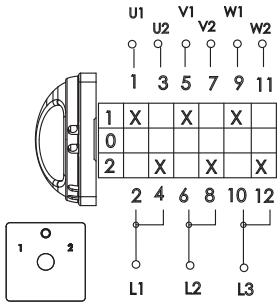
CAM 4 - Single-pole



CAM 5 - Two-pole

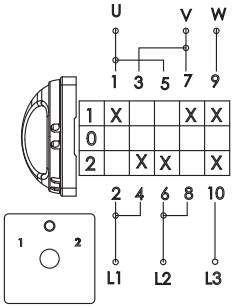


CAM 6 - Three-pole

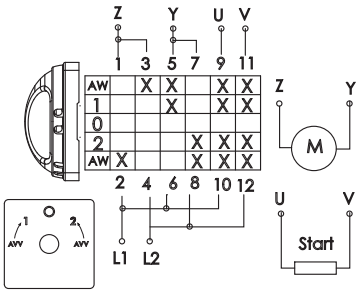


Motor selector switches

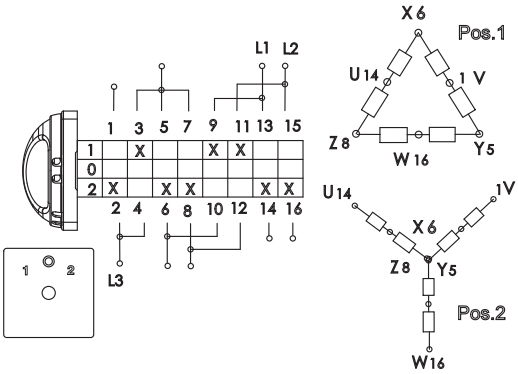
CAM 12 - For three-phase motors



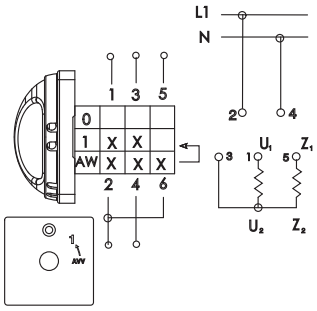
CAM 40 - Two-pole running with auxiliary phase and automatic return



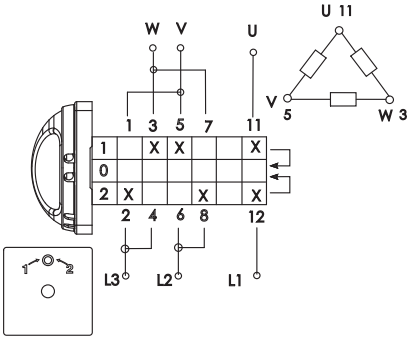
CAM 66 - Dahlander three-pole pole selector switches



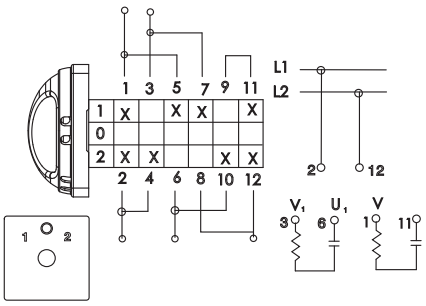
CAM 68 - Two-pole



CAM 67 - Three-pole running with return to 0



CAM 70 - Two-pole with condenser



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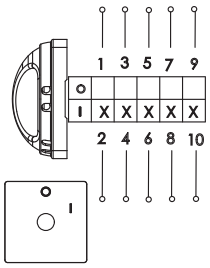
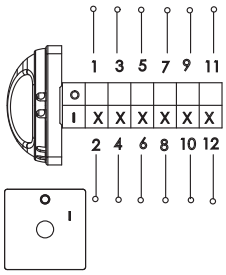
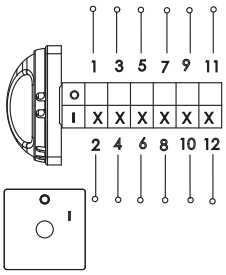
CAM 43 - Five-pole



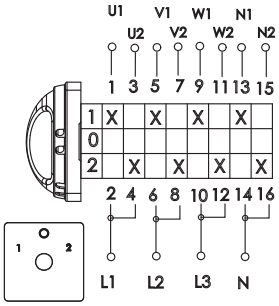
CAM 44 - Six-pole



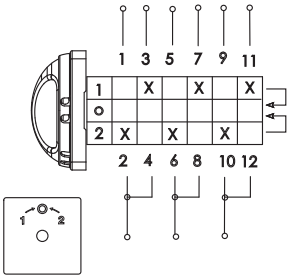
CAM 3.1 - Six-pole



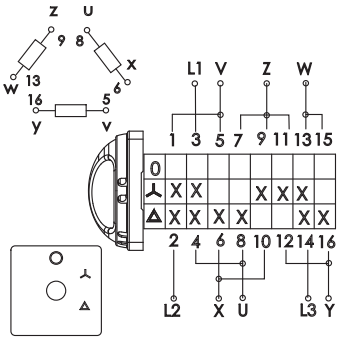
CAM 7 - Four-pole



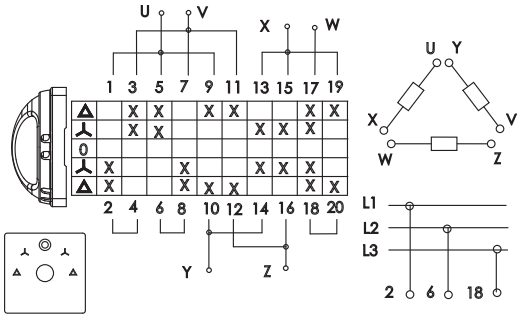
CAM 45 - Three-pole with ret. to 0



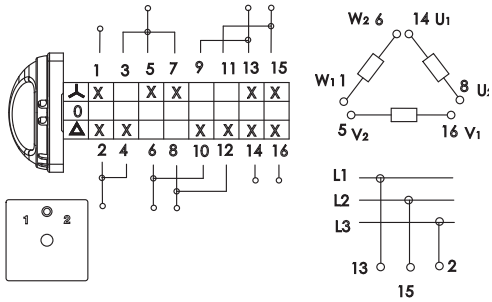
CAM 13 - Star triangle



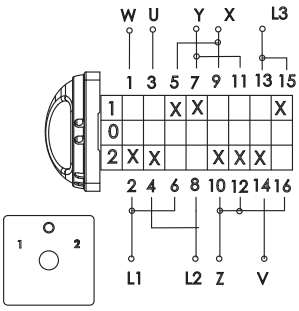
CAM 65 - Star/triangle with run reversing



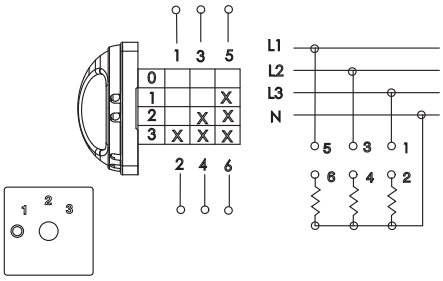
CAM 71 - Star/triangle selector switch



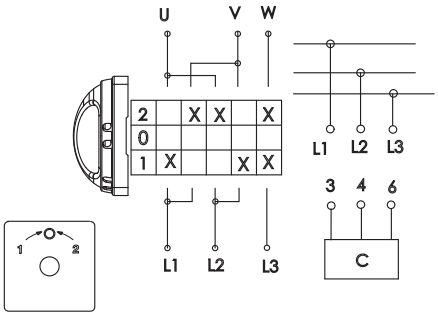
CAM 15 - Di poles (0 central)



CAM 64 - Adder

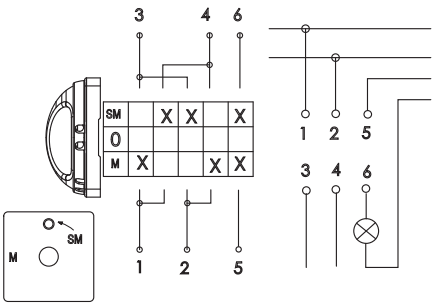


CAM 631 - For three-phase motor with automatic return

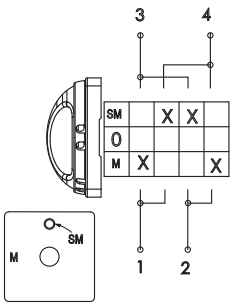


Motor selector switches

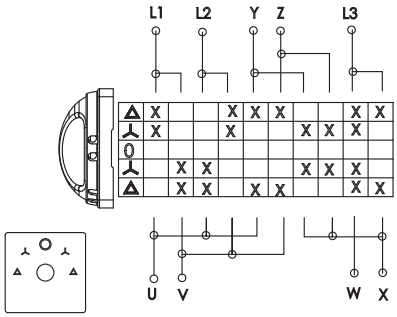
CAM 572 - Polarity reversing switch for magnetic chucks



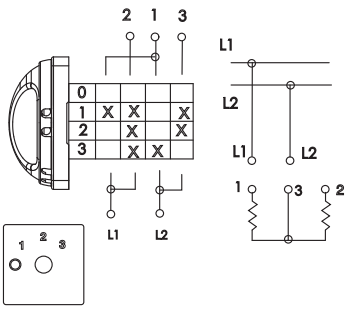
CAM 575 - Polarity reversing switch for magnetic chucks



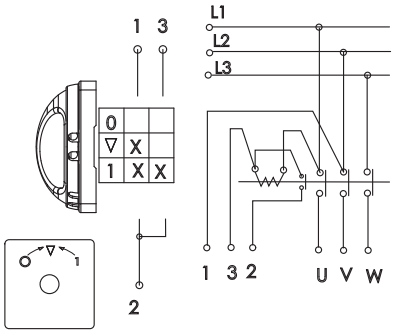
CAM 14 - Star/triangle with run reversing



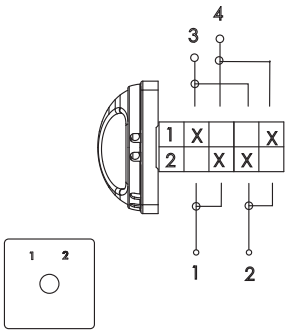
CAM 34 - Two-pole thermal switches



CAM 36 - Button pad handler

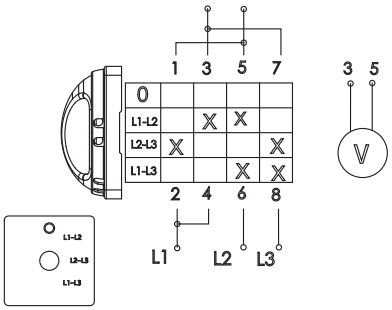


CAM 38 - Sin. pole reversing switch to be inserted between 2 two-way switches

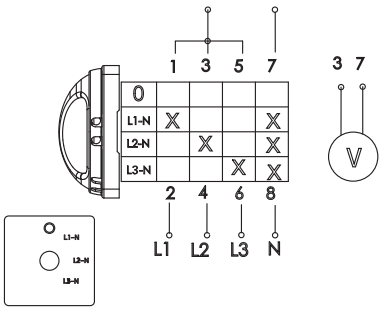


Instrument selector switches

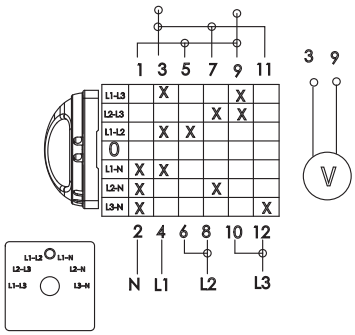
CAM 18 - Voltmetric three concatenated voltages



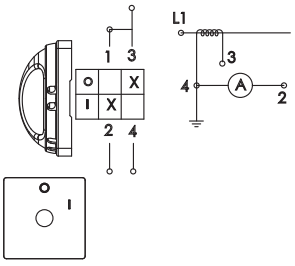
CAM 19 - Voltmetric three phase voltages



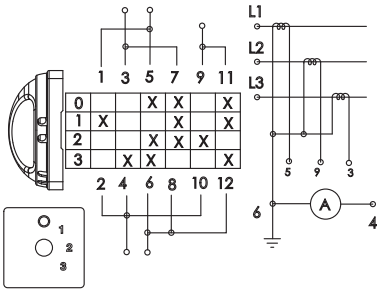
CAM 35 - Voltmetric three concatenated voltages -three of phase



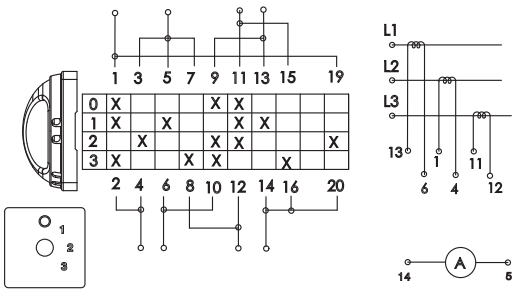
CAM 73 - Amperometric single pole for 1 reduction unit



CAM 75 - Amperometric single pole for 3 reduction units



CAM 74 - Amperometric two-pole for 3 reduction units



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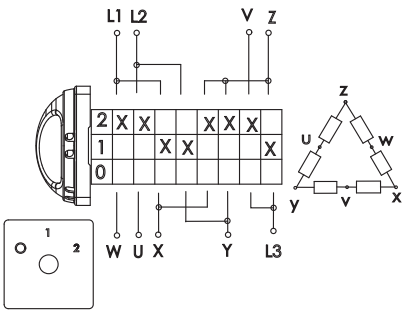
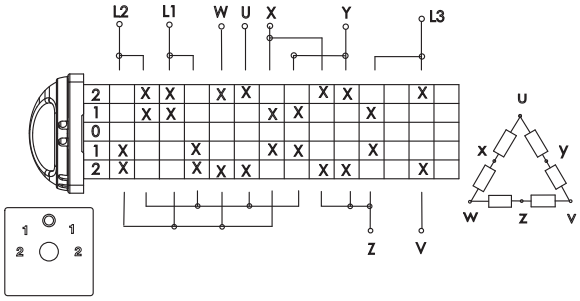
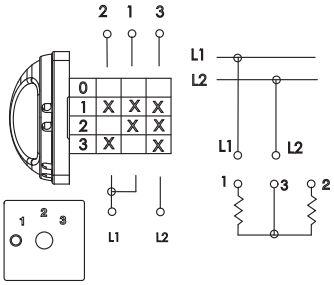
CAM 16 - Dipoles



CAM 17 - Dipoles with run reversing

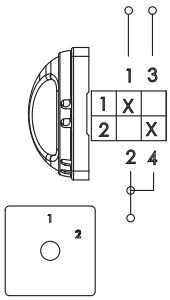


CAM 32 - Two-pole thermal switches

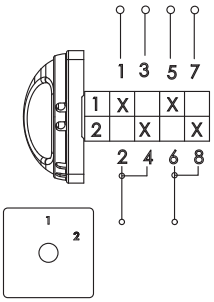


Two-way switches

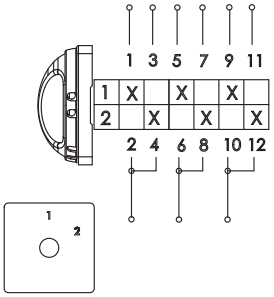
CAM 8 - Single pole



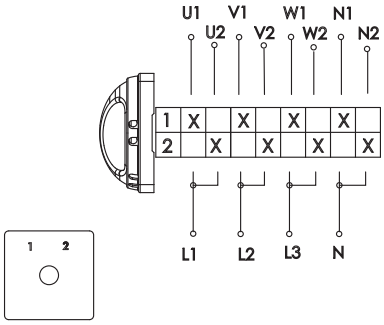
CAM 9 - Two-pole



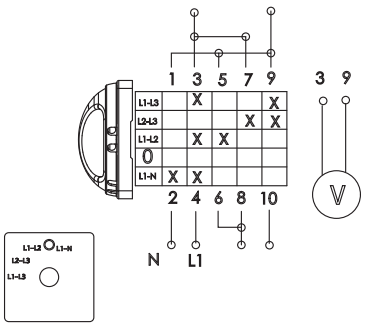
CAM 10 - Three-pole



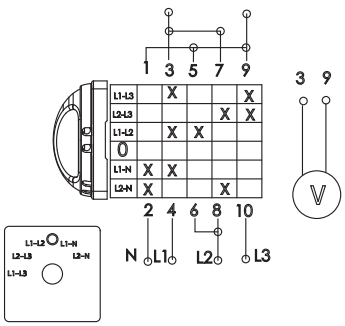
CAM 11 - Four-pole



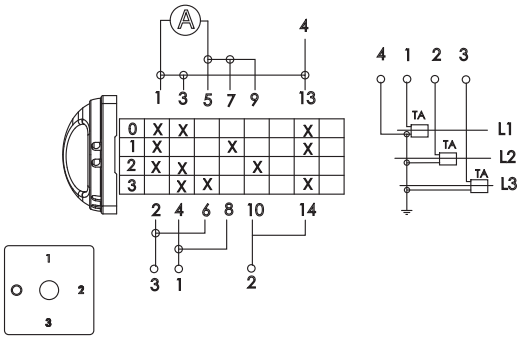
CAM 42 - Voltmetric three concatenated voltages-one of phase



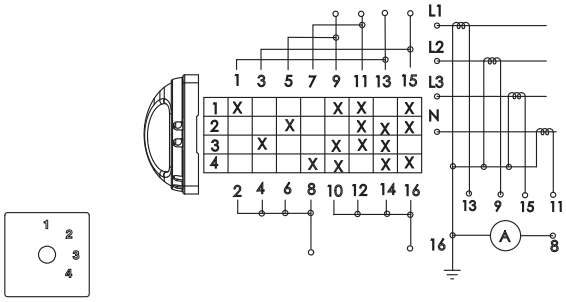
CAM 41 - Voltmetric three concatenated voltages-two of phase



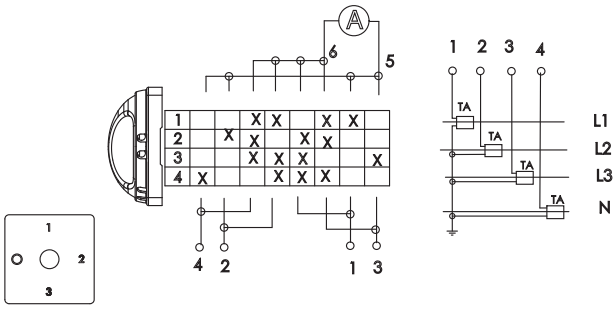
CAM 22 - Amperometric on 3 TA



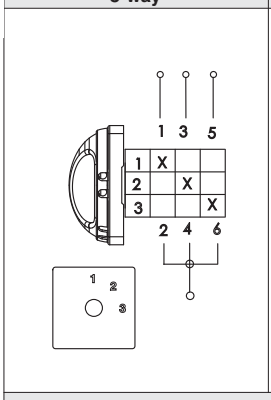
CAM 72 - Amperometric single pole for 4 reduction units



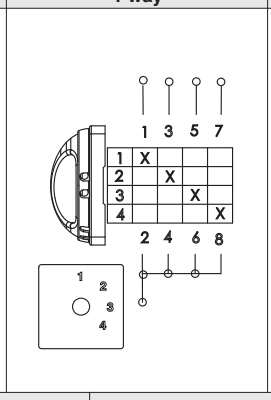
CAM 23 - Amperometric on 3 TA + N



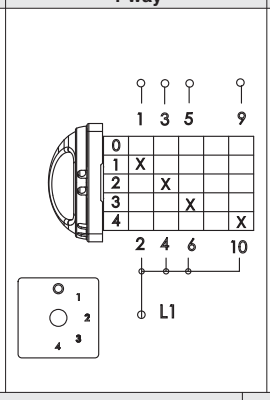
CAM 47 - Single pole 3-way



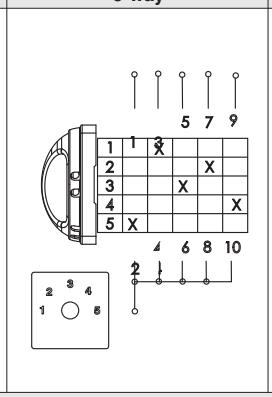
CAM 48 - Single pole 4-way



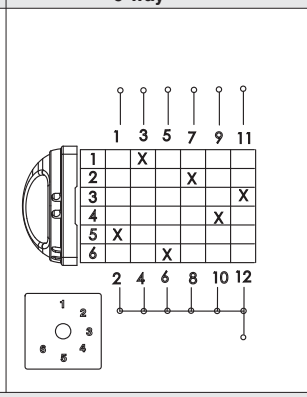
CAM 79 - Single pole 4-way



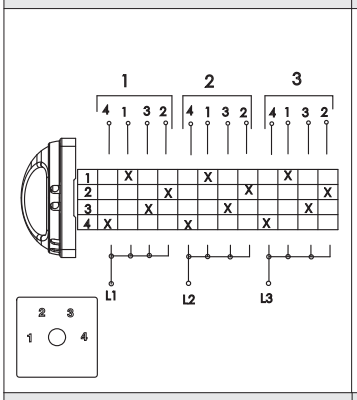
CAM 46 - Single pole 5-way



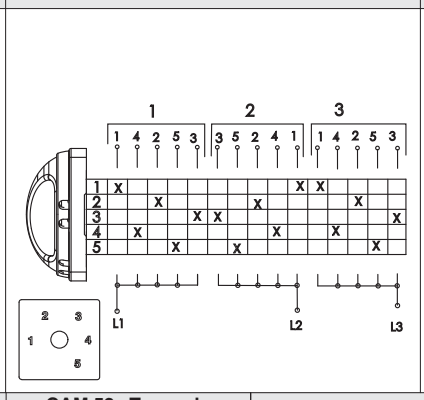
CAM 51 - Single pole 6-way



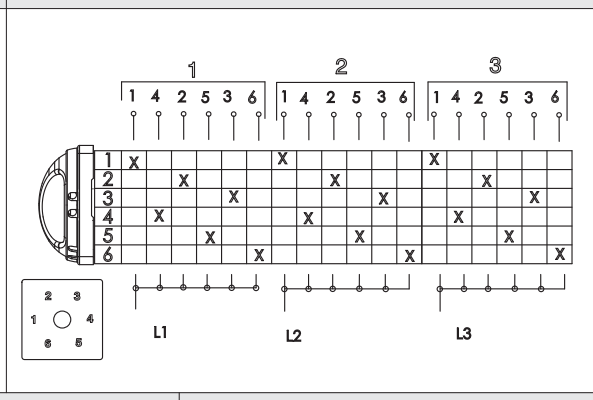
CAM 25 - 1P, 2P, 3P 4-way



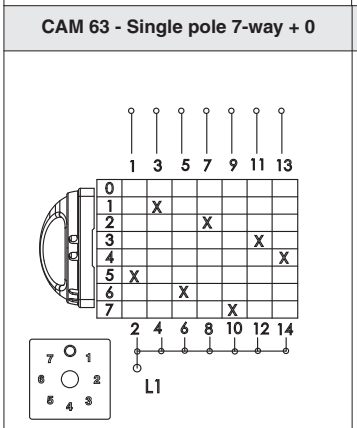
CAM 26 - 1P, 2P, 3P 5-way



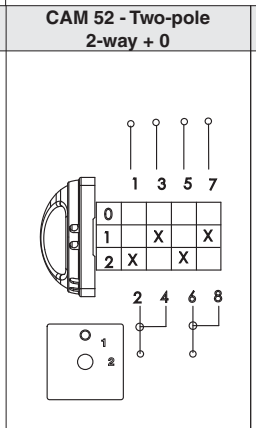
CAM 27 - 1P, 2P, 3P 6-way



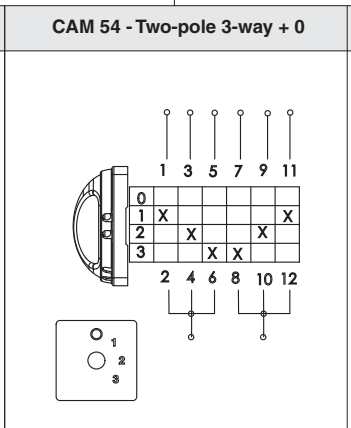
CAM 63 - Single pole 7-way + 0



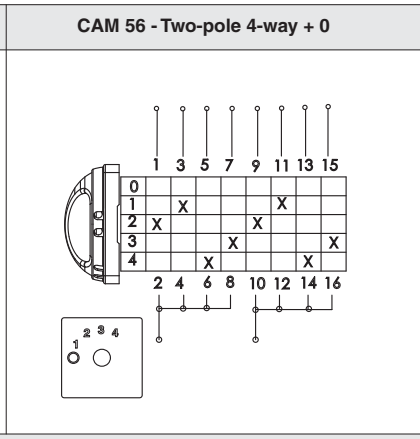
CAM 52 - Two-pole 2-way + 0



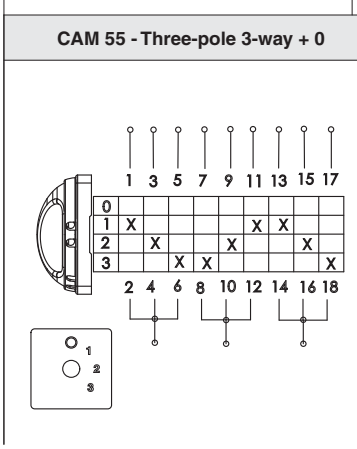
CAM 54 - Two-pole 3-way + 0



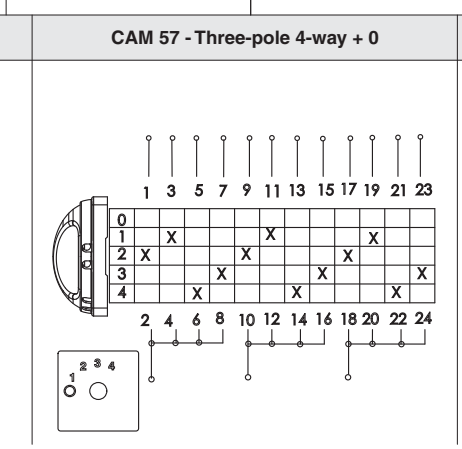
CAM 56 - Two-pole 4-way + 0



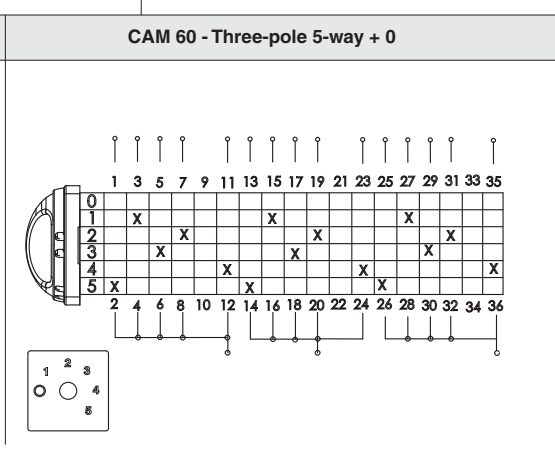
CAM 55 - Three-pole 3-way + 0



CAM 57 - Three-pole 4-way + 0



CAM 60 - Three-pole 5-way + 0



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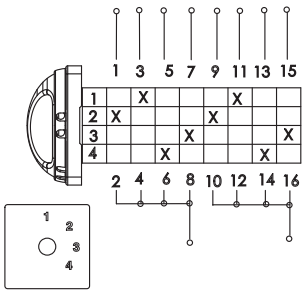
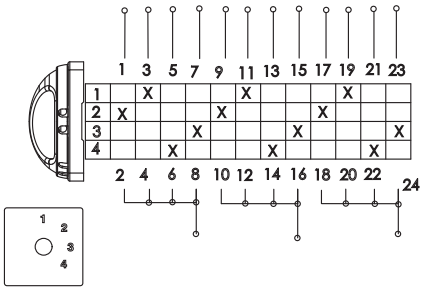
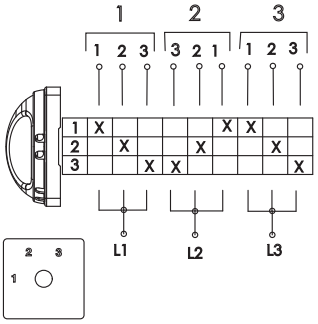
CAM 49 - Two-pole 4-way



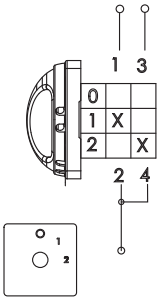
CAM 50 - Three-pole 4-way



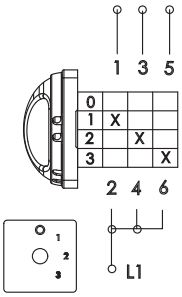
CAM 24 - 1P, 2P, 3P 3-way



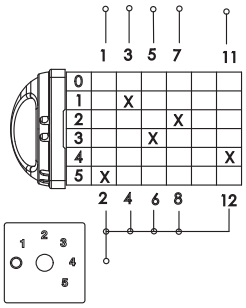
CAM 39 - Single-pole 2-way + 0



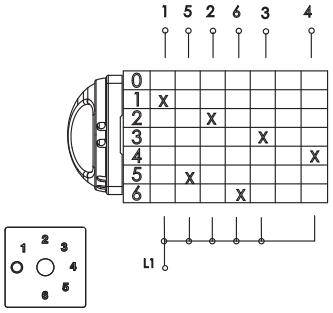
CAM 78 - Single-pole 3-way + 0



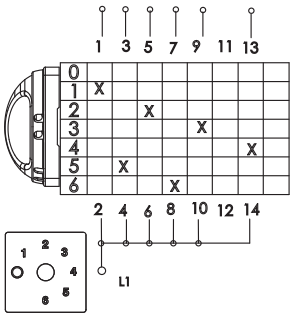
CAM 58 - Single -pole 5-way + 0



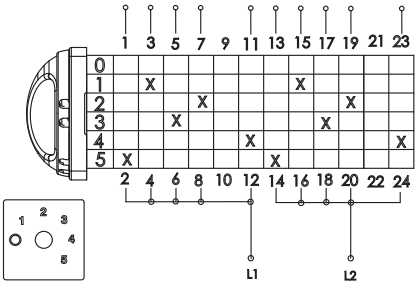
CAM 31 - Single -pole 6-way + 0



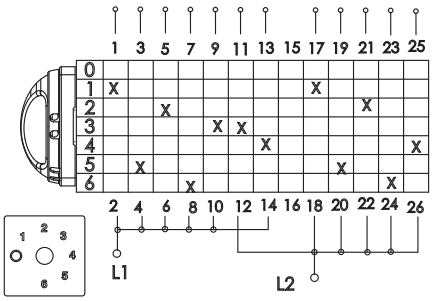
CAM 61 - Single -pole 6-way + 0



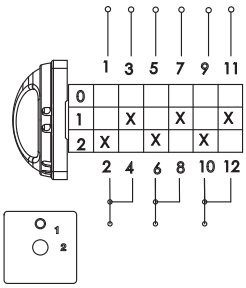
CAM 59 - Two-pole 5-way + 0



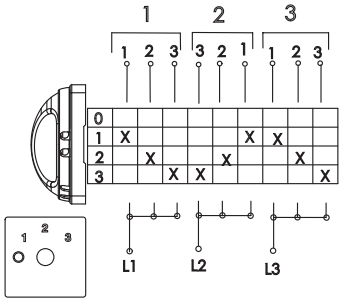
CAM 62 - Two-pole 6-way + 0



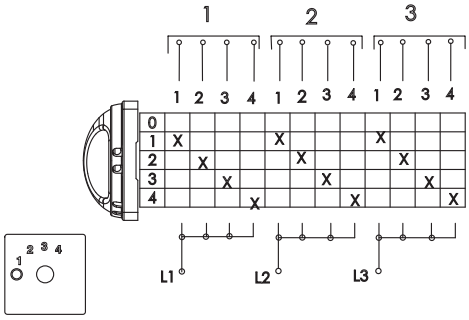
CAM 53 - Three-pole 2-way + 0



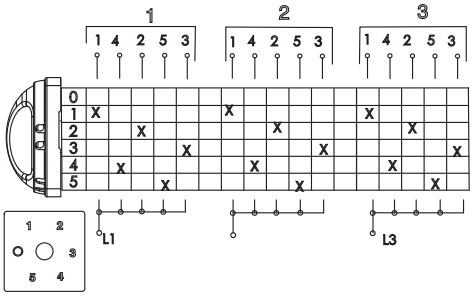
CAM 28 - 1P, 2P, 3P 3-way + 0



CAM 29 - 1P, 2P, 3P 4-way + 0



CAM 30 - 1P, 2P, 3P 5-way + 0



CAM-ST series

It is recognisable

Rotary control devices for standard applications

Italian design award

TECHNIQUE

The CAM-ST series rotary devices comply with European harmonised standards CEI EN 60947-3, concerning sectioning and operation devices, and with CEI EN 60947-5-1 concerning electromechanical control devices. The cam use, optimised in its electrical, dielectric and mechanical features, allows performances suitable for the heaviest duty use categories, such as AC23 for direct motor operation or other highly inductive loads and AC 15 for very heavy electromagnetic loads control. The front panel features, compared to the active parts and the internal sections of the panel, the IP 65 protection rating, ideal for positioning in dusty environments exposed to weather conditions and water jets. Other than the high protection rate, what is added is the enclosure resistance characteristics to weather and any item outside and inside the devices. The contact holding disk is made of totally self-extinguishing technopolymers, with the Glow-Wire Test at 960°C (UL94 – V0) and resistance to creeping currents higher than 600V. A CAM-ST feature is the front-plate that can be customised, which distinguishes the application.

Trademarks, symbols, awards

c UL US LISTED

THE ADVANTAGES

EXTREMELY QUICK TO ASSEMBLE

The rear panel version with fixture on a hole measuring 22 mm in diameter with a single hole on the panel and snap fitting of all the elements of the control device makes assembly very fast.

WORKS BETTER AND IS RECOGNISABLE

The totally transparent front-plate shows all the positions to which the knob can be turned to the user's advantage for greater awareness of the electrical manoeuvres and to avoid errors. Owing to the lens effect (the only one on the market), the symbol of the selected position is enlarged and is therefore perfectly identifiable and readable.

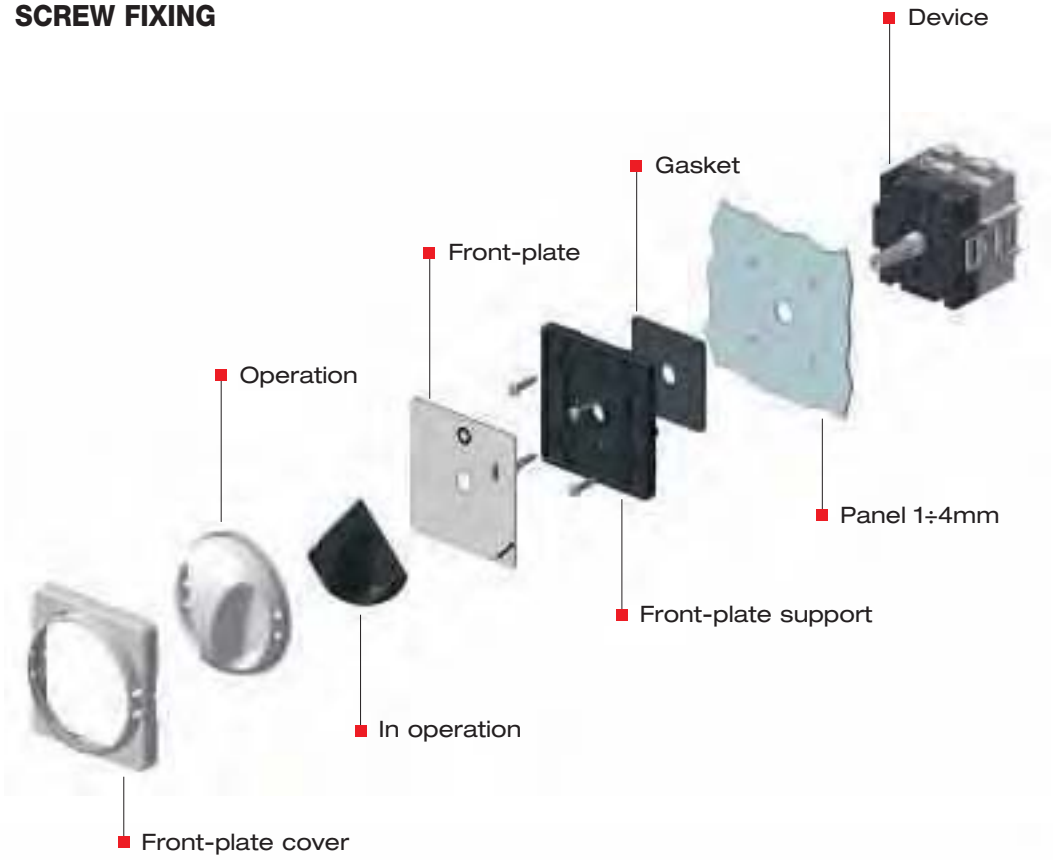
TOTAL SAFETY

The switch control can be padlocked preventing unauthorised persons from operating it incorrectly. This is extremely useful for maintenance work.

CAM-ST MULTI-LAYOUT CAM SWITCHES
TECHNICAL SPECIFICATIONS

CAM-ST compact switch			CAM-SZ 12	CAM-ST 16	CAM-ST 20	CAM-ST 25	CAM-ST 32	CAM-ST 40	CAM-ST 63
Rated insulation voltage Ui		V	690	690	690	690	690	690	690
Rated impulse seal voltage Uimp		kV	4	4	4	4	4	4	4
Rated making capacity Icm		A	1500	1500	1500	1500	320	400	630
Rated breaking capacity		A	96	128	160	200	256	320	504
Protection against short-circuits									
Rated short time current (1 sec.) Icw		A	480	480	480	480	480	600	950
Conditional short-circuit current		kA	10	10	10	10	10	10	15
Max current of protection fuses (gl or aM)		A	12	16	20	25	32	40	63
Thermal and uninterrupted rated current Ith = Iu		A	12	16	20	25	32	40	63
Rated operating current Ie									
AC21A	400V	A	15	18	23	28	38	45	63
	500V	A	12	16	20	25	32	40	63
	690V	A	12	16	20	25	32	40	63
AC22A	400V	A	15	18	23	28	38	45	63
	500V	A	12	16	20	25	32	40	63
	690V	A	12	16	20	25	32	40	63
AC23A	230V	A	10	14	18	20	38	45	36
3F	400V	A	10	14	18	20	32	40	36
	600V	A	6	10	12	16	32	40	36
AC23A	230V	kW	3,5	4,5	5,5	6,5	6,5	8,0	12,0
3F	400V	kW	5,5	8,0	10,0	11,0	10,5	13,0	22,0
	600V	kW	4,5	7,5	9,0	11,0	19,0	24,0	32,0
AC3	**230V**	**kW**	**2,5**	**4,0**	**5,5**	**6,0**	**6,5**	**8,0**	**12,0**
3F	**400V**	**kW**	**4,5**	**6,5**	**8,0**	**10,0**	**10,5**	**13,0**	**22,0**
	600V	**kW**	**5,0**	**8,0**	**10,0**	**13,0**	**19,0**	**24,0**	**32,0**
AC4	400V	kW	1,2	1,7	2,2	2,5	3,0	5,5	7,5
Mechanical duration		N. oper.	10^6	10^6	10^6	10^6	10^6	10^6	10^6
Frequency of the operations at rated current		oper. /hour	120	120	120	120	120	120	120
Rigid wire section		(mm^2)	1,5 - 6	1,5 - 6	1,5 - 6	1,5 - 6	2,5 - 16	2,5 - 16	2,5 - 16
FLEXIBLE CABLE SECTION		(mm^2)	1,5 - 6	1,5 - 6	1,5 - 6	1,5 - 6	2,5 - 16	2,5 - 16	2,5 - 16
Tightening torque		No	1,5	1,5	1,5	1,5	3	3	3
UL ratings									
1 PH	120V	HP	0,5	0,75	1	1	-	-	-
	240V	HP	1	1,5	2	3	-	-	-
3 PH	240V	HP	2	3	5	5	-	-	-
	480V	HP	5	7,5	10	15	-	-	-
	600V	HP	7,5	10	10	15	-	-	-

CAM-ST REAR PANEL 12÷63A SCREW FIXING



CAM-ST REAR PANEL CONTROL DEVICES 12÷25A Ø22MM SCREW FIXING

CAM-ST series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3 CEI EN 60529	IEC 60947-3 IEC 60529
Operation category:	see table on page. 323	
Protection rating:	IP65 finishes	IP20 cores
Impact resistance:	> IK 08	
Glow wire test:	960°C	
Self-Extinguishing:	V0	
Temperature resistance:	Operating: Storage:	-25°C - +60°C -40°C - +80°C
Homologations:	CE, UL, CSA, IMQ, R.I.Na RoHS compliant	

Switches

CAM-ST series
Switches with black **knob** and grey **plate**. Rear panel finish **48x48**. Front panel IP65 Terminals IP20

Rated current (A)	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	1	1	0	**210121**	1
	2	1	1	**210122**	1
	3	2	2	**210123**	1
	4	2	3	**210124**	1
	5	3	43	**210125**	1
	6	3	44	**210126**	1
16	1	1	0	**210161**	1
	2	1	1	**210162**	1
	3	2	2	**210163**	1
	4	2	3	**210164**	1
	5	3	43	**210165**	1
	6	3	44	**210166**	1
20	1	1	0	**210201**	1
	2	1	1	**210202**	1
	3	2	2	**210203**	1
	4	2	3	**210204**	1
	5	3	43	**210205**	1
	6	3	44	**210206**	1
25	1	1	0	**210251**	1
	2	1	1	**210252**	1
	3	2	2	**210253**	1
	4	2	3	**210254**	1
	5	3	43	**210255**	1
	6	3	44	**210256**	1

Complementary items:
wall-mounting enclosures page 339
hole mounting adaptor page 339.

Switches

CAM-ST series
Switches with black **knob** and grey **plate**. Rear panel finish **67x67**. Front panel IP65 Terminals IP20

Rated current (A)	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	1	1	0	**211121**	1
	2	1	1	**211122**	1
	3	2	2	**211123**	1
	4	2	3	**211124**	1
	5	3	43	**211125**	1
	6	3	44	**211126**	1
16	1	1	0	**211161**	1
	2	1	1	**211162**	1
	3	2	2	**211163**	1
	4	2	3	**211164**	1
	5	3	43	**211165**	1
	6	3	44	**211166**	1
20	1	1	0	**211201**	1
	2	1	1	**211202**	1
	3	2	2	**211203**	1
	4	2	3	**211204**	1
	5	3	43	**211205**	1
	6	3	44	**211206**	1
25	1	1	0	**211251**	1
	2	1	1	**211252**	1
	3	2	2	**211253**	1
	4	2	3	**211254**	1
	5	3	43	**211255**	1
	6	3	44	**211256**	1
32	1	1	0	**212321**	1
	2	1	1	**212322**	1
	3	2	2	**212323**	1
	4	2	3	**212324**	1
40	1	1	0	**212401**	1
	2	1	1	**212402**	1
	3	2	2	**212403**	1
	4	2	3	**212404**	1
63	1	1	0	**212631**	1
	2	1	1	**212632**	1
	3	2	2	**212633**	1
	4	2	3	**212634**	1

Complementary items:
wall-mounting enclosures page 339
hole mounting adaptor page 339.

Assembly diagrams page 324
Contacts layouts page 316
Dimensions page 439

Switches

CAM-ST series
Switches
red **knob** and yellow **plate** rear panel finish **67x67**
front panel IP65
terminals IP20
lockable in 0

Rated current (A)	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	3	2	2	**214123**	1
	4	2	3	**214124**	1
16	3	2	2	**214163**	1
	4	2	3	**214164**	1
20	3	2	2	**214203**	1
	4	2	3	**214204**	1
25	3	2	2	**214253**	1
	4	2	3	**214254**	1
32	3	2	2	**214323**	1
	4	2	3	**214324**	1
40	3	2	2	**214403**	1
	4	2	3	**214404**	1
63	3	2	2	**214633**	1
	4	2	3	**214634**	1

Complementary items:
wall-mounting enclosures page 339
hole mounting adaptor page 339.

Line selector switches

CAM-ST series
Line selector switches
self-return to 0
black **knob** and **grey** rear panel finish front panel IP65
terminals IP20

Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
16	48x48	3	3	45	**360163**	1
25	48x48	3	3	45	**360253**	1
16	67x67	3	3	45	**361163**	1
25	67x67	3	3	45	**361253**	1

Complementary items:
wall-mounting enclosures page 339
hole mounting adaptor page 339

Line selector switches

CAM-ST series
Line selector switches
black **knob** and **grey** rear panel finish front panel IP65
terminals IP20

Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	1	4	**215121**	1
	48x48	2	2	5	**215122**	1
	48x48	3	3	6	**215123**	1
	48x48	4	4	7	**215124**	1
16	48x48	1	1	4	**215161**	1
	48x48	2	2	5	**215162**	1
	48x48	3	3	6	**215163**	1
	48x48	4	4	7	**215164**	1
20	48x48	1	1	4	**215201**	1
	48x48	2	2	5	**215202**	1
	48x48	3	3	6	**215203**	1
	48x48	4	4	7	**215204**	1
25	48x48	1	1	4	**215251**	1
	48x48	2	2	5	**215252**	1
	48x48	3	3	6	**215253**	1
	48x48	4	4	7	**215254**	1
12	67x67	1	1	4	**216121**	1
	67x67	2	2	5	**216122**	1
	67x67	3	3	6	**216123**	1
	67x67	4	4	7	**216124**	1
16	67x67	1	1	4	**216161**	1
	67x67	2	2	5	**216162**	1
	67x67	3	3	6	**216163**	1
	67x67	4	4	7	**216164**	1
20	67x67	1	1	4	**216201**	1
	67x67	2	2	5	**216202**	1
	67x67	3	3	6	**216203**	1
	67x67	4	4	7	**216204**	1
25	67x67	1	1	4	**216251**	1
	67x67	2	2	5	**216252**	1
	67x67	3	3	6	**216253**	1
	67x67	4	4	7	**216254**	1
32	67x67	1	1	4	**217321**	1
	67x67	2	2	5	**217322**	1
	67x67	3	3	6	**217323**	1
	67x67	4	4	7	**217324**	1
40	67x67	1	1	4	**217401**	1
	67x67	2	2	5	**217402**	1
	67x67	3	3	6	**217403**	1
	67x67	4	4	7	**217404**	1
63	67x67	1	1	4	**217631**	1
	67x67	2	2	5	**217632**	1
	67x67	3	3	6	**217633**	1
	67x67	4	4	7	**217634**	1

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Contacts layouts page 316
Dimensions page 439

Two-Way switches

CAM-ST series
Two-Way switches
black **knob** and **grey** rear panel
finish front panel IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	1	8	**236121**	1
	48x48	2	2	9	**236122**	1
	48x48	3	3	10	**236123**	1
16	48x48	1	1	8	**236161**	1
	48x48	2	2	9	**236162**	1
	48x48	3	3	10	**236163**	1
20	48x48	1	1	8	**236201**	1
	48x48	2	2	9	**236202**	1
	48x48	3	3	10	**236203**	1
25	48x48	1	1	8	**236251**	1
	48x48	2	2	9	**236252**	1
	48x48	3	3	10	**236253**	1
12	67x67	1	1	8	**237121**	1
	67x67	2	2	9	**237122**	1
	67x67	3	3	10	**237123**	1
16	67x67	1	1	8	**237161**	1
	67x67	2	2	9	**237162**	1
	67x67	3	3	10	**237163**	1
20	67x67	1	1	8	**237201**	1
	67x67	2	2	9	**237202**	1
	67x67	3	3	10	**237203**	1
25	67x67	1	1	8	**237251**	1
	67x67	2	2	9	**237252**	1
	67x67	3	3	10	**237253**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

Motor selector switches

CAM-ST series
Three-pole reversing switches
black **knob** and **grey** rear panel
finish front panel IP65
terminals IP20

Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	3	12	**221123**	1
16	48x48	3	3	12	**221163**	1
20	48x48	3	3	12	**221203**	1
25	48x48	3	3	12	**221253**	1
12	67x67	3	3	12	**222123**	1
16	67x67	3	3	12	**222163**	1
20	67x67	3	3	12	**222203**	1
25	67x67	3	3	12	**222253**	1
32	67x67	3	3	12	**223323**	1
40	67x67	3	3	12	**223403**	1
63	67x67	3	3	12	**223633**	1

Complementary items:
wall-mounting enclosures page 339
hole mounting adaptor page 339

Assembly diagrams page 324
Contacts layouts page 316÷317
Dimensions page 439

Motor selector switches

CAM-ST series
Single-phase reversing switches
Auxiliary phase
Automatic return
black **knob** and **grey** rear panel
finish front panel IP65
terminals IP20

Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	3	40	**224122**	1
16	48x48	2	3	40	**224162**	1
20	48x48	2	3	40	**224202**	1
25	48x48	2	3	40	**224252**	1
12	67x67	2	3	40	**225123**	1
16	67x67	2	3	40	**225163**	1
20	67x67	2	3	40	**225202**	1
25	67x67	2	3	40	**225252**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

CAM-ST series
Dahlander pole selector switches black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	4	66	**381123**	1
16	48x48	3	4	66	**381163**	1
20	48x48	3	4	66	**381203**	1
25	48x48	3	4	66	**381253**	1
12	67x67	3	4	66	**382123**	1
16	67x67	3	4	66	**382163**	1
20	67x67	3	4	66	**382203**	1
25	67x67	3	4	66	**382253**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

Motor selector switches

CAM-ST series
Star/triangle starters
black knob **and** grey rear **front** panel
finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	4	13	**218123**	1
16	48x48	3	4	13	**218163**	1
20	48x48	3	4	13	**218203**	1
25	48x48	3	4	13	**218253**	1
12	67x67	3	4	13	**219123**	1
16	67x67	3	4	13	**219163**	1
20	67x67	3	4	13	**219203**	1
25	67x67	3	4	13	**219253**	1
32	67x67	3	4	13	**220323**	1
40	67x67	3	4	13	**220403**	1
63	67x67	3	4	13	**220633**	1

Complementary items:
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CAM-ST series
Star/triangle starters
Inversion
black knob **and** grey rear **front** panel
finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	5	65	**377123**	1
16	48x48	3	5	65	**377163**	1
20	48x48	3	5	65	**377203**	1
25	48x48	3	5	65	**377253**	1
12	67x67	3	5	65	**378123**	1
16	67x67	3	5	65	**378163**	1
20	67x67	3	5	65	**378203**	1
25	67x67	3	5	65	**378253**	1

Complementary items:
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Motor selector switches

CAM-ST series
Star-0-triangle starters
black knob **and** grey rear **front**
panel finish IP65
terminals IP20

Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	4	71	**379123**	1
16	48x48	3	4	71	**379163**	1
20	48x48	3	4	71	**379203**	1
25	48x48	3	4	71	**379253**	1
12	67x67	3	4	71	**380123**	1
16	67x67	3	4	71	**380163**	1
20	67x67	3	4	71	**380203**	1
25	67x67	3	4	71	**380253**	1

Complementary items:
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CAM-ST series
Switch for single-phase motor
Auxiliary phase
black knob **and** grey rear **front**
panel finish IP65
terminals IP20

Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	2	68	**385122**	1
16	48x48	2	2	68	**385162**	1
20	48x48	2	2	68	**385202**	1
25	48x48	2	2	68	**385252**	1
12	67x67	2	2	68	**386122**	1
16	67x67	2	2	68	**386162**	1
20	67x67	2	2	68	**386202**	1
25	67x67	2	2	68	**386252**	1

Complementary items:
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wall-mounting enclosures page 339
hole mounting adaptor page 339

Motor selector switches

CAM-ST series
Reversing switch
Self-return to 0
black knob **and** grey rear **front**
panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	3	67	**383123**	1
16	48x48	3	3	67	**383163**	1
20	48x48	3	3	67	**383203**	1
25	48x48	3	3	67	**383253**	1
12	67x67	3	3	67	**384123**	1
16	67x67	3	3	67	**384163**	1
20	67x67	3	3	67	**384203**	1
25	67x67	3	3	67	**384253**	1

Complementary items:
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CAM-ST series
Two-pole reversing switch
Condenser
black knob **and** grey rear **front**
panel finish IP65
terminals IP20

Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	3	70	**387122**	1
16	48x48	2	3	70	**387162**	1
20	48x48	2	3	70	**387202**	1
25	48x48	2	3	70	**387252**	1
12	67x67	2	3	70	**388122**	1
16	67x67	2	3	70	**388162**	1
20	67x67	2	3	70	**388202**	1
25	67x67	2	3	70	**388252**	1

Complementary items:
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Motor selector switches

CAM-ST series
Pole changing switch
black knob **and** grey rear **front**
panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	4	15	**226123**	1
16	48x48	3	4	15	**226163**	1
20	48x48	3	4	15	**226203**	1
25	48x48	3	4	15	**226253**	1
12	67x67	3	4	15	**227123**	1
16	67x67	3	4	15	**227163**	1
20	67x67	3	4	15	**227203**	1
25	67x67	3	4	15	**227253**	1
32	67x67	3	4	15	**228323**	1
40	67x67	3	4	15	**228403**	1
63	67x67	3	4	15	**228633**	1

Complementary items:
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Instrument selector switches

CAM-ST series
Voltmeter selector switches
3 line voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	18	**229120**	1
16	18	**229160**	1
25	18	**229250**	1

Complementary items:
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CAM-ST series
Voltmeter selector switches
Neutral-phase voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	19	**230120**	1
16	19	**230160**	1
25	19	**230250**	1

Complementary items:
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Instrument selector switches

CAM-ST series
Voltmeter selector switches
3 line voltages +2 phase voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	41	**231120**	1
16	41	**231160**	1

Complementary items:
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CAM-ST series
Voltmeter selector switches
3 line voltages + 3 phase voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	35	**233120**	1
16	35	**233160**	1
25	35	**233250**	1

Complementary items:
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Instrument selector switches

CAM-ST series
Voltmeter selector switches
3 line voltages +1 phase voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	42	**234120**	1
16	42	**234160**	1
25	42	**234250**	1

Complementary items:
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CAM-ST series
Ammeter selector switches
Single-pole for 3 reduction units
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	75	**235120**	1
16	75	**235160**	1
20	75	**235200**	1
25	75	**235250**	1

Complementary items:
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Instrument selector switches

CAM-ST series
Ammeter selector switches
Two-poles
black knob **and** grey **rear** front panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	74	**390120**	1
16	74	**390160**	1
20	74	**390200**	1
25	74	**390250**	1

Complementary items:
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CAM-ST series
Ammeter selector switches
Single-pole for 1 reduction unit
black knob **and** grey **rear** front panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	73	**391120**	1
16	73	**391160**	1
20	73	**391200**	1
25	73	**391250**	1

Complementary items:
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Instrument selector switches

CAM-ST series
Ammeter selector switches
Single-pole for 4 reduction unit
black knob **and** grey **rear** front panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	72	**392120**	1
16	72	**392160**	1
20	72	**392200**	1
25	72	**392250**	1

Complementary items:
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Adder selector switches

CAM-ST series
Adders
black knob **and** grey **rear** front panel **48x48**
finish IP65
terminals IP20

Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
16	64	**376161**	1
25	64	**376251**	1

Complementary items:
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CAM-ST series
Single-pole 3-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	2	47	**362121**	1
16	48x48	1	2	47	**362161**	1
20	48x48	1	2	47	**362201**	1
25	48x48	1	2	47	**362251**	1
12	67x67	1	2	47	**363121**	1
16	67x67	1	2	47	**363161**	1
20	67x67	1	2	47	**363201**	1
25	67x67	1	2	47	**363251**	1

Complementary items:
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Adder selector switches

CAM-ST series
Single-pole 4-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	2	48	**364121**	1
16	48x48	1	2	48	**364161**	1
20	48x48	1	2	48	**364201**	1
25	48x48	1	2	48	**364251**	1
12	67x67	1	2	48	**365121**	1
16	67x67	1	2	48	**365161**	1
20	67x67	1	2	48	**365201**	1
25	67x67	1	2	48	**365251**	1

Complementary items:
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CAM-ST series
Two-pole 4-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	4	49	**364122**	1
16	48x48	2	4	49	**364162**	1
20	48x48	2	4	49	**364202**	1
25	48x48	2	4	49	**364252**	1
12	67x67	2	4	49	**365122**	1
16	67x67	2	4	49	**365162**	1
20	67x67	2	4	49	**365202**	1
25	67x67	2	4	49	**365252**	1

Complementary items:
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Multi-way selector switches

CAM-ST series
Three-pole 4-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	6	50	**364123**	1
16	48x48	3	6	50	**364163**	1
20	48x48	3	6	50	**364203**	1
25	48x48	3	6	50	**364253**	1
12	67x67	3	6	50	**365123**	1
16	67x67	3	6	50	**365163**	1
20	67x67	3	6	50	**365203**	1
25	67x67	3	6	50	**365253**	1

Complementary items:
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CAM-ST series
Single-pole 5-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	46	**366121**	1
16	48x48	1	3	46	**366161**	1
20	48x48	1	3	46	**366201**	1
25	48x48	1	3	46	**366251**	1
12	67x67	1	3	46	**367121**	1
16	67x67	1	3	46	**367161**	1
20	67x67	1	3	46	**367201**	1
25	67x67	1	3	46	**367251**	1

Complementary items:
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Multi-way selector switches

CAM-ST series
Single-pole 6-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	51	**368121**	1
16	48x48	1	3	51	**368161**	1
20	48x48	1	3	51	**368201**	1
25	48x48	1	3	51	**368251**	1
12	67x67	1	3	51	**369121**	1
16	67x67	1	3	51	**369161**	1
20	67x67	1	3	51	**369201**	1
25	67x67	1	3	51	**369251**	1

Complementary items:
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CAM-ST series
Single-pole 2-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	1	39	**238121**	1
16	48x48	1	1	39	**238161**	1
20	48x48	1	1	39	**238201**	1
25	48x48	1	1	39	**238251**	1
12	67x67	1	1	39	**240121**	1
16	67x67	1	1	39	**240161**	1
20	67x67	1	1	39	**240201**	1
25	67x67	1	1	39	**240251**	1

Complementary items:
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Multi-way selector switches

CAM-ST series
Two-pole 2-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	2	52	**238122**	1
16	48x48	2	2	52	**238162**	1
20	48x48	2	2	52	**238202**	1
25	48x48	2	2	52	**238252**	1
12	67x67	2	2	52	**240122**	1
16	67x67	2	2	52	**240162**	1
20	67x67	2	2	52	**240202**	1
25	67x67	2	2	52	**240252**	1

Complementary items:
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CAM-ST series
Three-pole 2-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	3	53	**238123**	1
16	48x48	3	3	53	**238163**	1
20	48x48	3	3	53	**238203**	1
25	48x48	3	3	53	**238253**	1
12	67x67	3	3	53	**240123**	1
16	67x67	3	3	53	**240163**	1
20	67x67	3	3	53	**240203**	1
25	67x67	3	3	53	**240253**	1

Complementary items:
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Multi-way selector switches

CAM-ST series
Single-pole 3-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	2	78	**241121**	1
16	48x48	1	2	78	**241161**	1
20	48x48	1	2	78	**241201**	1
25	48x48	1	2	78	**241251**	1
12	67x67	1	2	78	**242121**	1
16	67x67	1	2	78	**242161**	1
20	67x67	1	2	78	**242201**	1
25	67x67	1	2	78	**242251**	1

Complementary items:
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CAM-ST series
Two-pole 3-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	3	54	**241122**	1
16	48x48	2	3	54	**241162**	1
20	48x48	2	3	54	**241202**	1
25	48x48	2	3	54	**241252**	1
12	67x67	2	3	54	**242122**	1
16	67x67	2	3	54	**242162**	1
20	67x67	2	3	54	**242202**	1
25	67x67	2	3	54	**242252**	1

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Multi-way selector switches

CAM-ST series
Three-pole 3-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	5	55	**241123**	1
16	48x48	3	5	55	**241163**	1
20	48x48	3	5	55	**241203**	1
25	48x48	3	5	55	**241253**	1
12	67x67	3	5	55	**242123**	1
16	67x67	3	5	55	**242163**	1
20	67x67	3	5	55	**242203**	1
25	67x67	3	5	55	**242253**	1

Complementary items:
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CAM-ST series
Single-pole 4-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	79	**243121**	1
16	48x48	1	3	79	**243161**	1
20	48x48	1	3	79	**243201**	1
25	48x48	1	3	79	**243251**	1
12	67x67	1	3	79	**244121**	1
16	67x67	1	3	79	**244161**	1
20	67x67	1	3	79	**244201**	1
25	67x67	1	3	79	**244251**	1

Complementary items:
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Multi-way selector switches

CAM-ST series
Two-pole 4-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	4	56	**243122**	1
16	48x48	2	4	56	**243162**	1
20	48x48	2	4	56	**243202**	1
25	48x48	2	4	56	**243252**	1
12	67x67	2	4	56	**244122**	1
16	67x67	2	4	56	**244162**	1
20	67x67	2	4	56	**244202**	1
25	67x67	2	4	56	**244252**	1

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CAM-ST series
Three-pole 4-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	6	57	**243123**	1
16	48x48	3	6	57	**243163**	1
20	48x48	3	6	57	**243203**	1
25	48x48	3	6	57	**243253**	1
12	67x67	3	6	57	**244123**	1
16	67x67	3	6	57	**244163**	1
20	67x67	3	6	57	**244203**	1
25	67x67	3	6	57	**244253**	1

Complementary items:
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Multi-way selector switches

CAM-ST series
Single-pole 5-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	58	**370121**	1
16	48x48	1	3	58	**370161**	1
20	48x48	1	3	58	**370201**	1
25	48x48	1	3	58	**370251**	1
12	67x67	1	3	58	**371121**	1
16	67x67	1	3	58	**371161**	1
20	67x67	1	3	58	**371201**	1
25	67x67	1	3	58	**371251**	1

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CAM-ST series
Two-pole 5-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	5	59	**370122**	1
16	48x48	2	5	59	**370162**	1
20	48x48	2	5	59	**370202**	1
25	48x48	2	5	59	**370252**	1
12	67x67	2	5	59	**371122**	1
16	67x67	2	5	59	**371162**	1
20	67x67	2	5	59	**371202**	1
25	67x67	2	5	59	**371252**	1

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Multi-way selector switches

CAM-ST series
Three-pole 5-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	8	60	**370123**	1
16	48x48	3	8	60	**370163**	1
20	48x48	3	8	60	**370203**	1
25	48x48	3	8	60	**370253**	1
12	67x67	3	8	60	**371123**	1
16	67x67	3	8	60	**371163**	1
20	67x67	3	8	60	**371203**	1
25	67x67	3	8	60	**371253**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

CAM-ST series
Two-pole 6-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	61	**372121**	1
16	48x48	1	3	61	**372161**	1
20	48x48	1	3	61	**372201**	1
25	48x48	1	3	61	**372251**	1
12	67x67	1	3	61	**373121**	1
16	67x67	1	3	61	**373161**	1
20	67x67	1	3	61	**373201**	1
25	67x67	1	3	61	**373251**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

Assembly diagrams page 324
Contacts layouts page 316
Dimensions page 439

Multi-way selector switches

CAM-ST series
Two-pole 6-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	6	62	**372122**	1
16	48x48	2	6	62	**372162**	1
20	48x48	2	6	62	**372202**	1
25	48x48	2	6	62	**372252**	1
12	67x67	2	6	62	**373122**	1
16	67x67	2	6	62	**373162**	1
20	67x67	2	6	62	**373202**	1
25	67x67	2	6	62	**373252**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

Multi-way selector switches

CAM-ST series
Single-pole 7-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20

Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	4	63	**374121**	1
16	48x48	1	4	63	**374161**	1
20	48x48	1	4	63	**374201**	1
25	48x48	1	4	63	**374251**	1
12	67x67	1	4	63	**375121**	1
16	67x67	1	4	63	**375161**	1
20	67x67	1	4	63	**375201**	1
25	67x67	1	4	63	**375251**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

Assembly diagrams page 324
Contacts layouts page 316
Dimensions page 439

TECHNICAL ACCESSORIES

CAM-ST series
Base panel mounting adaptor and DIN rail page

For control devices type	Palazzoli code	Pack Q.ty
CAM-ST rear panel screw fixing 12-25A	**270236**	1
CAM-ST rear panel screw fixing 32-63A	**270243**	1

Complementary items:
the adaptor is applied after the wiring on the selector switch device.

CAM-ST series
Extension shaft for rear panel devices screw fixing

For control devices type	Lenght (mm)	Manufacture material	Palazzoli code	Pack Q.ty
CAM-ST 12-25A	225	ANTICORODAL	**271225**	1
	350	ANTICORODAL	**271350**	1
	500	ANTICORODAL	**271500**	1
CAM-ST 32-63A	225	ANTICORODAL	**274225**	1
	350	ANTICORODAL	**274350**	1
	500	ANTICORODAL	**274500**	1

CAM-ST series
Wall-mounted enclosure with provision for front panel control of a rear panel device screw fixing
IP65

External dimensions (mm)	Max no. of installable disks	Palazzoli code	Pack Q.ty
121x158x107	6 from 12÷25A 3 from 32÷40A	**270247**	1

CAM-ST series
Blind wall-mounted enclosure suitable for fitting
a maximum of 2 rear panel devices screw or hole fixing
IP65

External dimensions (mm)	Max no. of installable disks	Palazzoli code	Pack Q.ty
121x158x107	6 from 12÷25A 3 from 32÷40A	**270248**	1

CAM-ST series
Adaptor for mounting devices from 12A to 25A with screw fixing on a 22 mm Ø hole

Front-plate dimensions (mm)	Colour	Palazzoli code	Pack Q.ty
48x48	● black	**270237**	1
67x67	● black	**270239**	1
	● yellow ● red	**270240**	1

CAM-SZ Series

Section the System Multiply Safety

Disconnecting control devices and for emergencies

AC3 10kA GUARANTEED

Highly inductive loads

TECHNIQUE

The CAM-SZ is designed and built for the operator who has to section the industrial electrical systems for safety and functional reasons. CAM-SZ ensures the powering down of the entire or partial system, dividing it safely from any electrical power supply. CAM-SZ is category AC23A – AC3 is suitable even for highly inductive loads. It is the only one applicable to cage motors (best known as rotary motors, widely used for Industrial and Automation sysyems) for their start or stop during the rotation. CAM-SZ has IP65 watertight front panel, rated current up to 100A and with maximum operating voltage of Un=690Vca. The contact holding disk is made of totally self-extinguishing technopolymers, with the Glow-Wire Test at 960°C (UL94 – V0) and resistance to creeping currents higher than 600V.

Trademarks, symbols, awards

c UL US LISTED

THE ADVANTAGES

UNBEATABLE

An AC23A – AC3 utilisation category, conditional short circuit current 10,000A and guaranteed isolation are some of the few superbly performing features of the isolator switches.
At the maximum level of what the market offers today. They allow direct control of even highly inductive loads (such as pumps, exhaust fans, mills, compressors, etc.) and eliminate costly machine shutdowns with a subsequent increase in the system's production.

HIGH ELECTRICAL PERFORMANCES

The contacts in silver alloy are double-break. Each “disk” holds two complete contacts with high connecting and disconnecting power.
It does not lose any ampere even years later.

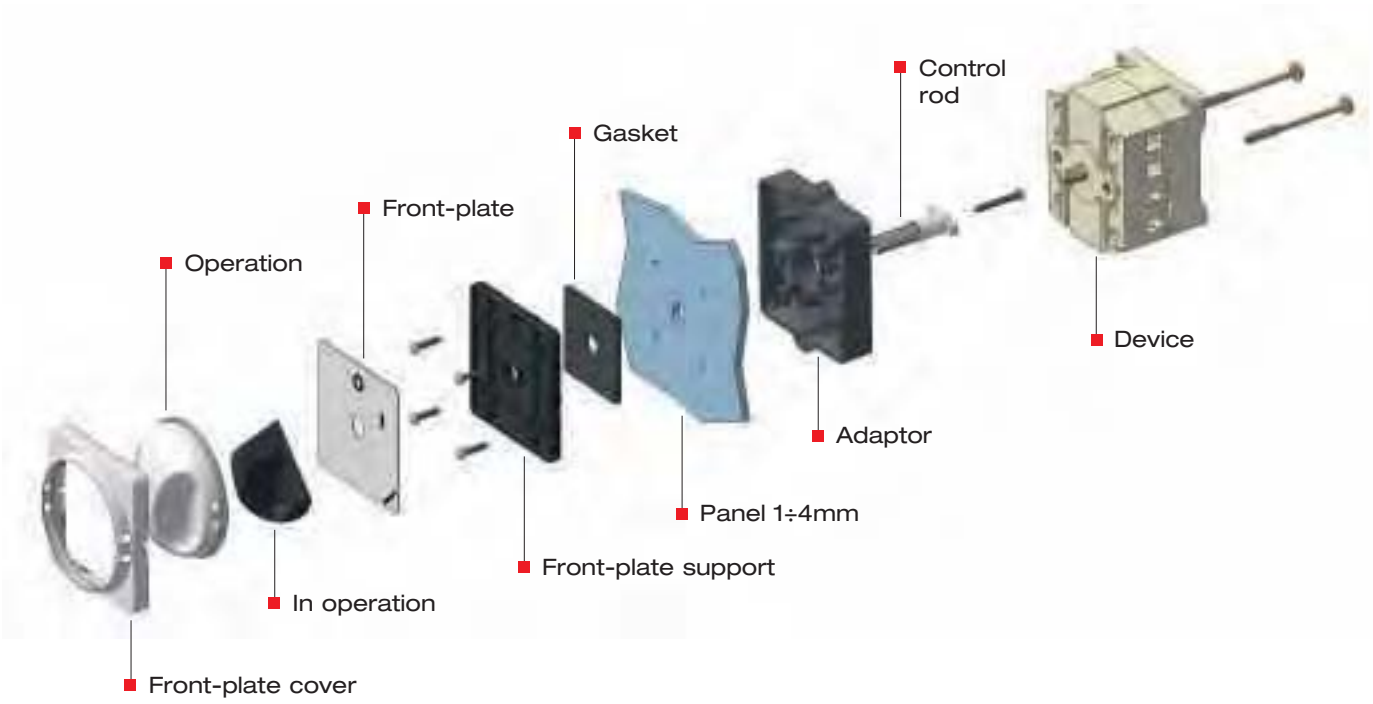
DIVIDES THE SYSTEM AND MULTIPLIES SAFETY

CAM-SZ is suitable for highly inductive loads. It is the only one applicable to cage motors (best known as rotary motors, widely used for Industrial and Automation sysyems) for their start or stop during the rotation.

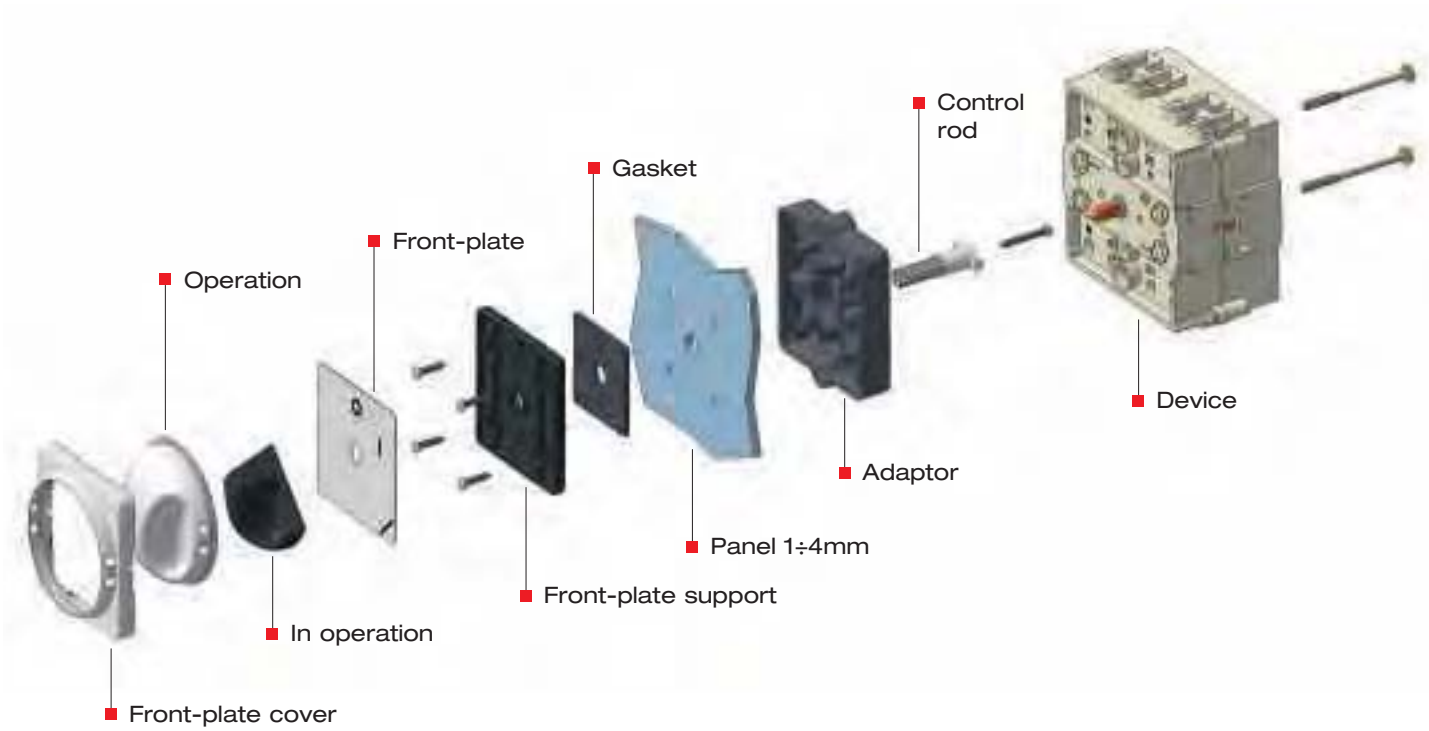
CAM-ST SERIES ISOLATOR SWITCHES
TECHNICAL SPECIFICATIONS

CAM-SZ Isolator-switch			CAM-SZ 16	CAM-SZ 25	CAM-SZ 32	CAM-SZ 40	CAM-SZ 63	CAM-SZ 100
Rated insulation voltage Ui		V	500	500	500	690	690	690
Rated impulse seal voltage Uimp		kV	4	4	4	4	4	4
Rated closing capacity		A	160	250	320	880	1380	2200
Rated breaking capacity		A	125	200	256	690	1100	1750
Protection against short-circuits								
Rated short time current (1 sec.)		A	240	375	480	4800	7500	1200
Conditional short-circuit current		kA	10	10	10	10	10	10
Max current of protection fuses (gl or aM)		A	16	25	32	40	63	100
Thermal and uninterrupted rated current Ith = Iu		A	16	25	32	40	63	100
Rated operating current Ie								
AC20	230V	A	16	25	32	50	80	100
	400V	A	16	25	32	40	63	100
	500V	A	16	25	32	40	63	100
AC21A	230V	A	16	25	32	50	80	100
	400V	A	16	25	32	40	63	100
	500V	A	16	25	32	40	63	100
AC22A	230V	A	16	25	32	50	80	100
	400V	A	16	25	32	40	63	100
	500V	A	16	25	32	40	63	100
AC23A 3F	230V	A	16	25	32	40	50	63
	400V	A	16	25	32	40	50	63
	500V	A	16	25	32	40	50	63
	690V	A	-	-	-	40	50	63
AC23A 3F	230V	kW	4	6,5	8,5	10	12	20
	400V	kW	7,5	11,5	15	16	21	34
	500V	kW	8,5	13	17	18	28	44
	690V	kW	-	-	-	20	32	50
AC3	**3F230V**	**kW**	**4**	**6,5**	**8,5**	**9**	**10**	**16**
	400V	**kW**	**7,5**	**11,5**	**15**	**16**	**17**	**28**
	500V	**kW**	**8,5**	**13**	**17**	**18**	**22**	**36**
	690V	**kW**	**-**	**-**	**-**	**20**	**25**	**40**
AC4	230V	kW	3	4,5	6	-	-	-
	400V	kW	5	7,5	10	-	-	-
	500V	kW	6,5	10	13	-	-	-
Use in direct current								
DC21A	Rated operating current Ie	A	16	25	32	40	63	100
	Max voltage for each pole in series	V	60	60	60	60	60	60
DC21A	Rated operating current Ie	A	16	25	32	32	40	63
	Max voltage for each pole in series	V	48	48	48	60	60	60
DC21A	Rated operating current Ie	A	16	25	32	32	37	40
	Max voltage for each pole in series	V	30	30	30	30	30	30
Mechanical duration		N.oper.	10^6	10^6	10^6	10^6	10^6	10^6
Frequency of the operations at rated current		oper. /hour	120	120	120	120	120	120
Rigid wire section		(mm^2)	1-6	1-6	1-6	10-35	10-35	10-35
Flexible cable section		(mm^2)	1-10	1-10	1-10	10-35	10-35	10-35
Tightening torque		No	2	2	2	3	3	3

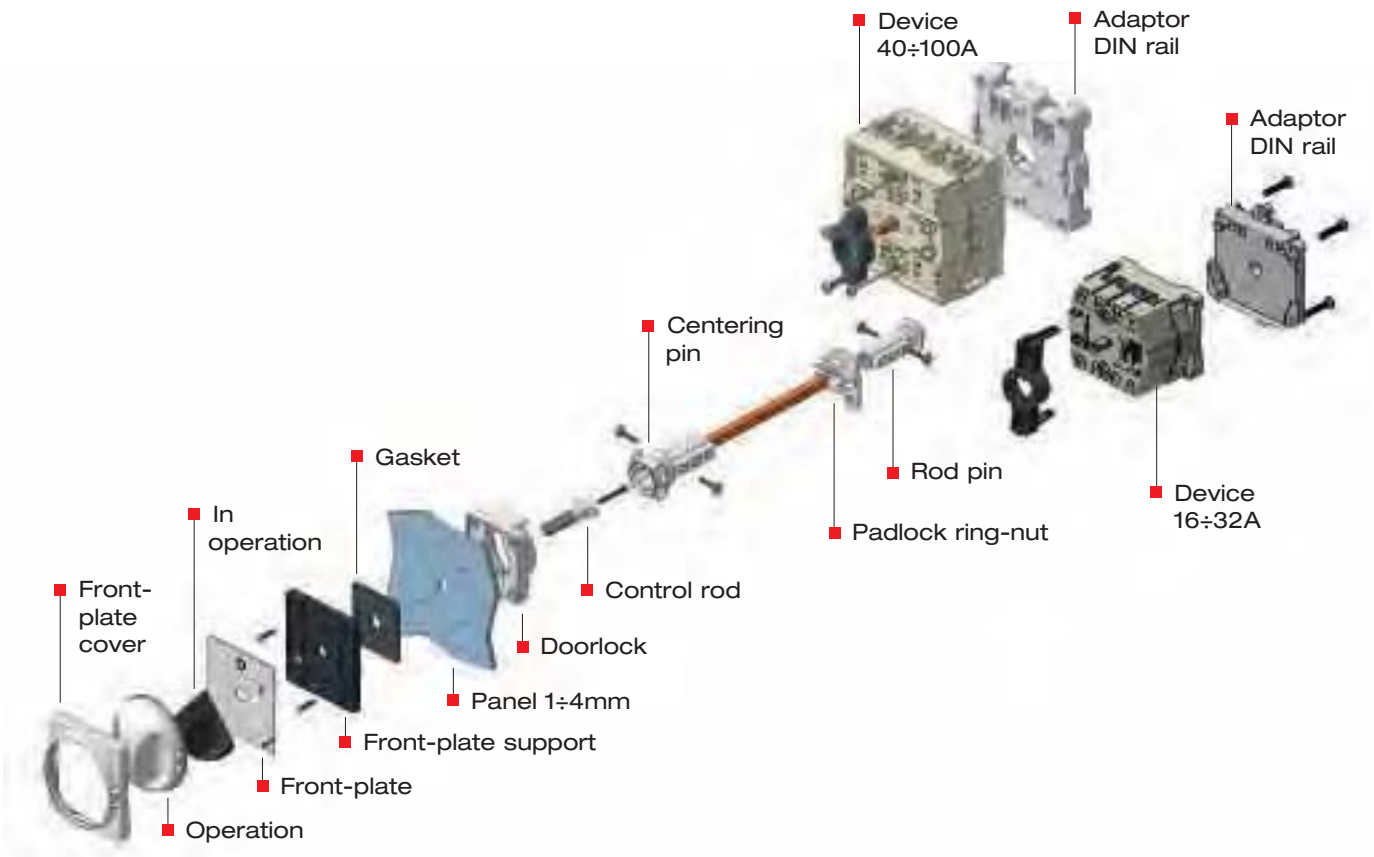
CAM-SZ REAR PANEL ISOLATOR SWITCHES 16÷32A SCREW FIXING



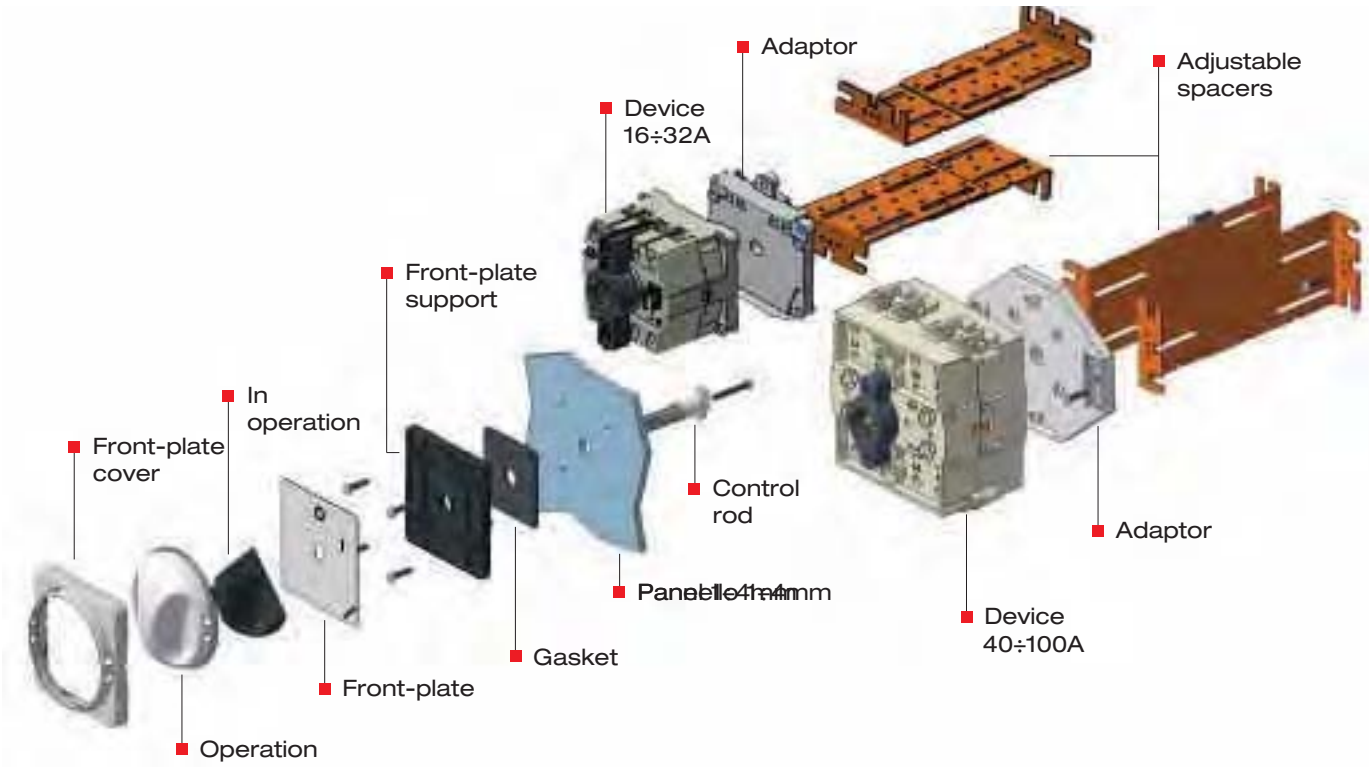
CAM-SZ REAR PANEL ISOLATOR SWITCHES 40÷100A SCREW FIXING

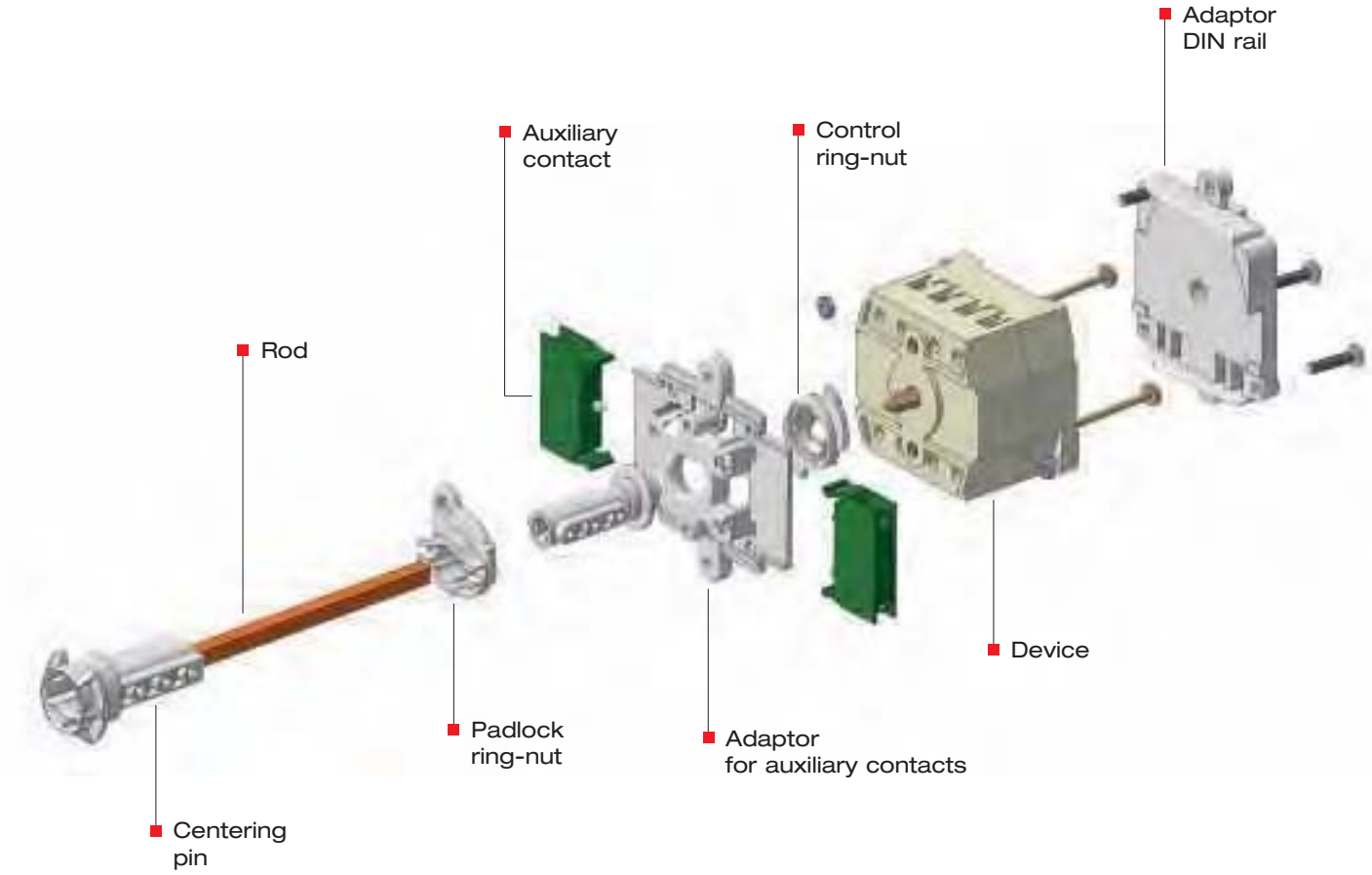


CAM-SZ REAR PANEL ISOLATOR SWITCHES 16÷32A / 40÷100A WITH ROD KIT

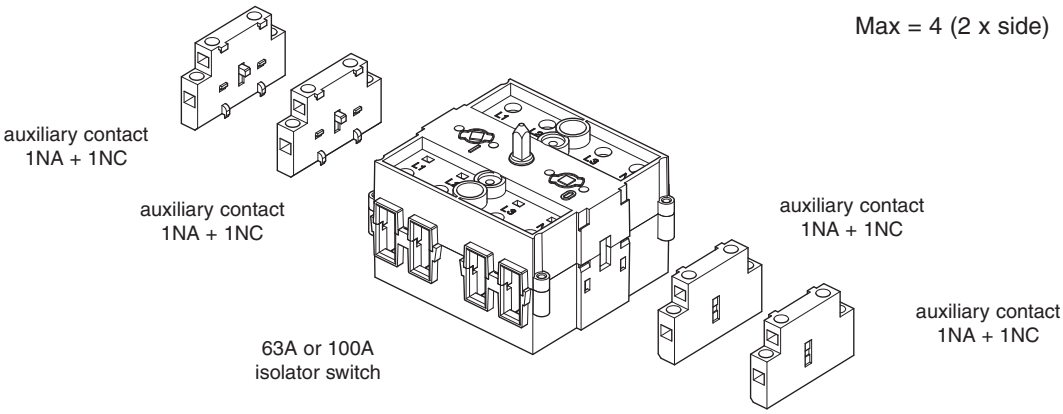


CAM-SZ REAR PANEL ISOLATOR SWITCHES 16÷32A / 40÷100A WITH SPACER





Auxiliary contact fixing layout



CAM-SZ series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3 CEI EN 60529	IEC 60947-3 IEC 60529
Operation category:	see table on page. 341	
Protection rating:	IP65 finishes	IP20 cores
Impact resistance:	> IK 08	
Glow wire test:	960°C	
Self-Extinguishing:	V0	
Temperature resistance:	Operating: Storage:	-25°C - +60°C -40°C - +80°C
Homologations:	CE, IMQ, UL RoHS compliant	

CAM-SZ Series
Rear panel emergency isolator switches **with red** knob **and yellow plate**. Rear panel finish 67x67
IP65

Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**267162**	1
	3	2	**267163**	1
	4	3	**267164**	1
25	3	2	**267253**	1
	4	3	**267254**	1
32	2	1	**267322**	1
	3	2	**267323**	1
	4	3	**267324**	1
40	3	2	**267403**	1
	4	3	**267404**	1
63	2	1	**267632**	1
	3	2	**267633**	1
	4	3	**267634**	1
100	3	2	**267103**	1
	4	3	**267104**	1

Characteristics
IP20 clamps for cable fastening without having to prepare wires in advance or use terminals.
Complementary items
auxiliary contacts on page 347
adapter for mounting auxiliary contacts page 347
extension shafts page 347
terminal cover cap page 347
Spacer kit page 347

CAM-SZ Series
Rear panel isolator switches with black **knob** and grey **plate**. Rear panel finish 67x67
IP65

Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**268162**	1
	3	2	**268163**	1
	4	3	**268164**	1
25	3	2	**268253**	1
	4	3	**268254**	1
32	2	1	**268322**	1
	3	2	**268323**	1
	4	3	**268324**	1
40	3	2	**268403**	1
	4	3	**268404**	1
63	2	1	**268632**	1
	3	2	**268633**	1
	4	3	**268634**	1
100	3	2	**268103**	1
	4	3	**268104**	1

Characteristics
IP20 clamps for cable fastening without having to prepare wires in advance or use terminals.
Complementary items
auxiliary contacts on page 347
adapter for mounting auxiliary contacts page 347
extension shafts page 347
terminal cover cap page 347
Spacer kit page 347

Assembly diagrams page 324
Contacts layouts page 318÷319
Dimensions page 435

REAR, BASE PANEL AND WALL-MOUNTED ISOLATOR SWITCHES

CAM-SZ Series
Base panel isolator switches
with emergency doorlock
with red **knob** and yellow **plate**.
Rear panel finish 67x67
IP65

Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**265162**	1
	3	2	**265163**	1
	4	3	**265164**	1
25	3	2	**265253**	1
	4	3	**265254**	1
32	2	1	**265322**	1
	3	2	**265323**	1
	4	3	**265324**	1
40	3	2	**265403**	1
	4	3	**265404**	1
63	2	1	**265632**	1
	3	2	**265633**	1
	4	3	**265634**	1
100	3	2	**265103**	1
	4	3	**265104**	1

Characteristics
IP20 clamps for cable fastening without having to prepare wires in advance or use terminals.
Uses
Direct mounting on plate using screws or on EN50022 rail.
Complementary items
auxiliary contacts on page 347
adapter for mounting auxiliary contacts page 347
extension shafts page 347
terminal cover cap page 347
spacer kit page 347

CAM-SZ Series
Base panel isolator switches
with doorlock with black **knob**
and grey **plate**.
Rear panel finish 67x67
IP65

Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**266162**	1
	3	2	**266163**	1
	4	3	**266164**	1
32	2	1	**266322**	1
	3	2	**266323**	1
	4	3	**266324**	1
63	2	1	**266632**	1
	3	2	**266633**	1
	4	3	**266634**	1
100	3	2	**266103**	1
	4	3	**266104**	1

Characteristics
IP20 clamps for cable fastening without having to prepare wires in advance or use terminals.
Uses
Direct mounting on plate using screws or on EN50022 rail.
Complementary items
auxiliary contacts on page 347
adapter for mounting auxiliary contacts page 347
extension shafts page 347
terminal cover cap page 347
spacer kit page 347

Assembly diagrams page 342-344
Contacts layouts page 316
Dimensions page 435

CAM-SZ Series
Auxiliary contacts for base panel isolator switches with doorlock and for walls

Rated current (A)	For control devices tipo	Contact type	Palazzoli code	Pack Q.ty
16	isolator switches 16-32A	1 NC retarded	**270226**	1
	isolator switches 16-32A	1 NA anticpitated	**270227**	1
	isolator switches 16-32A	1 NC	**270230**	1
	isolator switches 16-32A	1 NA	**270231**	1
	isolator switches 16-32A	1NA+1NC	**270232**	1
	isolator switches 40-100A	1NA+1NC	**200016**	1

Characteristics
adaptor kit code 270235 is needed for mounting auxiliary contacts from 16A to 32A. 270235. The code 200016 can also be used for rear panel applications from 40A to 100A.
Uses
you can reposition the main contacts from a distance.

CAM-SZ Series
Adaptor for mounting auxiliary contacts to the base panel 16A and 32A isolator switches with doorlock and for walls

For control devices type	Palazzoli code	Pack Q.ty
isolator switches 16-32A	**270235**	1

CAM-SZ Series
Extension shaft for mounting base panel isolator switches with doorlock from 16A to 100A

Lenght (mm)	Manufacture material	Palazzoli code	Pack Q.ty
225	ANTICORODAL	**270225**	1
350	ANTICORODAL	**270350**	1
500	ANTICORODAL	**270500**	1

CAM-SZ Series
Terminal cover cap for isolator switches

For control devices type	Palazzoli code	Pack Q.ty
isolator switches 16-32A	**270241**	1
isolator switches 40-100A	**270242**	1

CAM-SZ Series
Adjustable spacer support kit for fixing base panel control devices with doorlock in tropicalised galvanised steel

Min. lenght (mm)	Max. lenght (mm)	Palazzoli code	Pack Q.ty
96,5	168,5	**270900**	10

Characteristics
it is composed of 4 equal squares in zinc-plated steel with self-threading screws and washers.
Uses
it is used for fixing devices in the right position and height for correct coupling with the control applied to the hatch.

Rear panel and inset devices screw fixing

CAM 351

Switches In up to 1200A - IP65

CAM 351

Line selector switches

In up to 63A - IP65

CAM 352

Motor selector switches

In up to 200A - IP65

CAM 355

Instrument selector switches

In 16A - IP65

CAM 356

Multi-ways with and without pos. 0

In up to 25A IP65

CAM 358

Two-way switches In 16A - IP65

CAM 358

Technical accessories

CAM 359

Knobs for rear panel devices

CAM 359

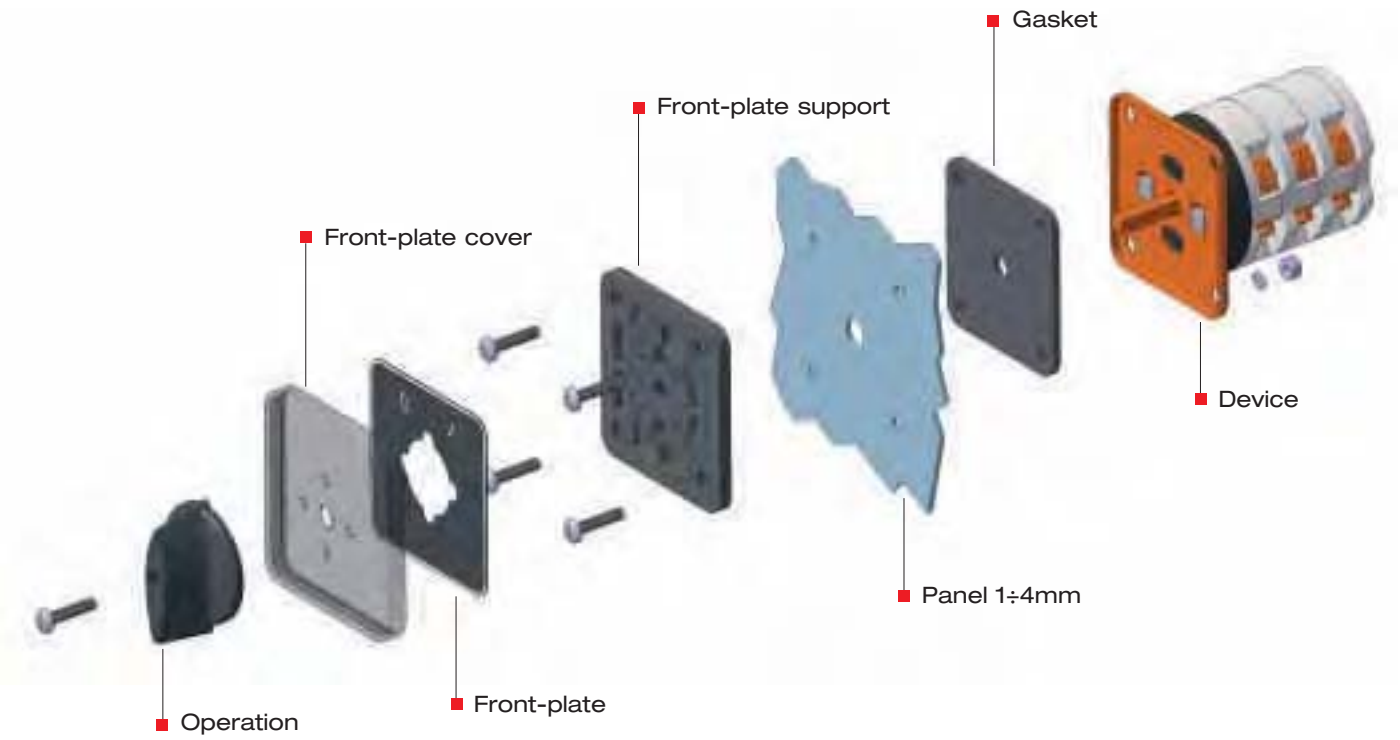
Knobs for inset devices

CAM SERIES SWITCHES
TECHNICAL SPECIFICATIONS

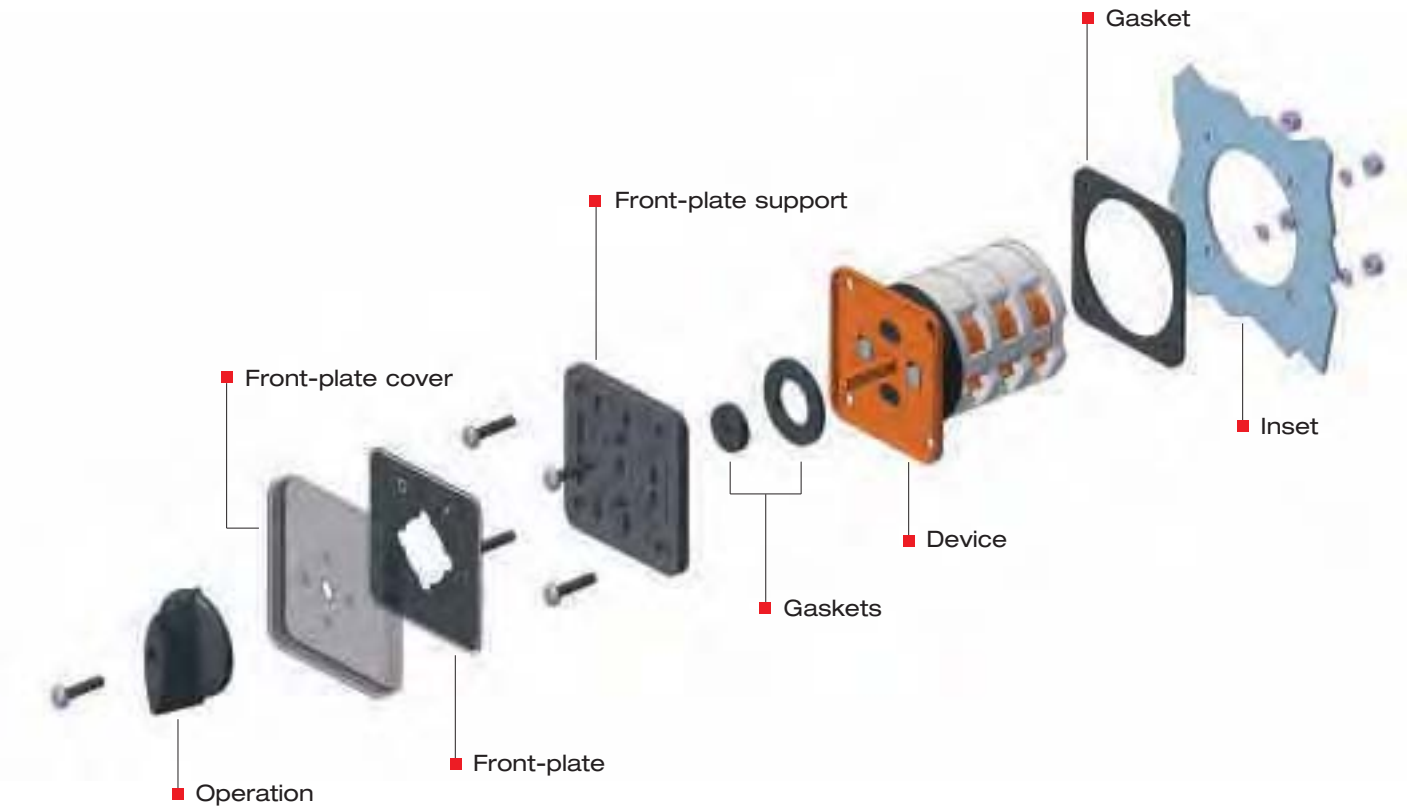
CAM heavy duty switch			CAM 16	CAM 25	CAM 40	CAM 63	CAM 100	CAM 125	CAM 200	CAM 400	CAM 600	CAM 800	CAM 1200
Rated insulation voltage Ui		V	500	500	500	500	500	500	500	500	500	500	500
Rated impulse seal voltage Uimp		kV	4	4	4	4	4	4	4	4	4	4	4
Rated closing capacity		A	160	250	400	630	1000	1250	1250	1250	1250	1250	1250
Rated breaking capacity		A	128	200	320	504	800	1000	1000	1000	1000	1000	1000
Protection against short-circuits													
Rated short time current (1 sec.)		A	240	380	600	950	1500	2000	3000	3000	3000	3000	3000
Conditional short-circuit current		kA	10	10	10	15	15	15	15	15	15	15	15
Max current of protection fuses (gl or aM)		A	16	25	40	63	100	125	200	400	600	800	1200
Thermal and uninterrupted rated current Ith = Iu		A	16	25	40	63	100	125	200	400	600	800	1200
Rated operating current Ie													
AC23A	415V	A	16	25	40	63	100	125	200	-	-	-	-
	500V	A	16	25	40	63	100	125	200	-	-	-	-
	690V	A	16	25	40	63	100	125	200	-	-	-	-
AC22A	415V	A	16	25	40	63	100	125	200	-	-	-	-
	500V	A	16	25	40	63	100	125	200	-	-	-	-
	690V	A	16	25	40	63	100	125	200	-	-	-	-
AC23A	230V	A	16	25	40	63	100	125	200	-	-	-	-
	400V	A	16	25	40	63	100	125	200	-	-	-	-
	500V	A	16	25	40	63	100	125	200	-	-	-	-
AC23A	230V	kW	4,5	7	11	20	26	30	30	-	-	-	-
	400V	kW	7,5	12	19	34	45	52	52	-	-	-	-
	500V	kW	10	14	23	44	56	64	64	-	-	-	-
AC3A	**230V**	**kW**	**4,5**	**7**	**11**	**18**	**26**	**30**	**30**	**-**	**-**	**-**	**-**
	400V	**kW**	**7,5**	**12**	**19**	**31**	**45**	**52**	**52**	**-**	**-**	**-**	**-**
	500V	**kW**	**10**	**14**	**23**	**40**	**56**	**64**	**64**	**-**	**-**	**-**	**-**
AC4	230V	kW	3,5	5	8	13	14	14	14	-	-	-	-
	400V	kW	6	8	13	21	27	27	27	-	-	-	-
	500V	kW	7,5	10	16	24	28	28	28	-	-	-	-
Use in direct current													
DC20 Rated operating current Ie		A	16	25	40	63	100	125	200	-	-	-	-
DC21 Rated operating current Ie		A	16	25	40	50	100	125	200	-	-	-	-
Max voltage for each pole in series		V	60	60	60	50	42	42	42	-	-	-	-
DC22 Rated operating current Ie		A	16	25	40	40	100	125	200	-	-	-	-
Max voltage for each pole in series		V	48	48	42	42	30	30	30	-	-	-	-
DC23 Rated operating current Ie		A	16	25	40	40	100	125	200	-	-	-	-
Max voltage for each pole in series		V	30	30	30	30	30	30	30	-	-	-	-
Mechanical duration		N. oper.	10^6	10^6	10^6	10^6	10^6	10^6	10^6	10^6	10^6	10^6	10^6
Frequency of the operations at rated current		oper. /hour	120	120	120	120	120	120	120	60	60	60	60
Rigid wire section		(mm^2)	1-4	2,5-6	6-10	10-25	10-35	-	-	-	-	-	-
Flexible cable section		mm^2	1-4	1,5-6	4-10	6-16	10-25	16-70*	16-70*	-	-	-	-
Cable lug terminal			-	-	-	-	-	M10	M10	M12	M16	M16	2xM16
Tightening torque		Nm	1,5	1,5	2	2	3	3	3	-	-	-	-

* With bolted clamp for terminals

CAM REAR PANEL CONTROL DEVICES 16÷63A
SCREW FIXING



CAM INSET CONTROL DEVICES 16÷63A
SCREW FIXING



CAM series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3 CEI EN 60529	IEC 60947-3 IEC 60529
Operation category:	see table on page. 349	
Protection rating:	IP65 /IP64 finishes	IP00 cores
Impact resistance:	> IK 08	
Glow wire test:	960°C	
Self-Extinguishing:	V0	
Temperature resistance:	Operating: Storage:	-25°C - +60°C -40°C - +80°C

CAM SERIES
High performance
watertight switches
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	1	0	52	**276600**	1
	2	1	52	**276601**	5
	3	2	67	**276602**	5
	4	3	67	**276603**	5
25	2	1	52	**276701**	1
	3	2	68	**276702**	5
	4	3	68	**276703**	5
40	2	1	74	**276801**	1
	3	2	92	**276802**	1
	4	3	92	**276803**	5
63	3	2	108	**286902**	1
	4	3	108	**286903**	5

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359

CAM SERIES
High performance
watertight switches
for distribution boards with knob
and front-plate front panel
Front panel IP65
Terminals IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	4	3	133	**276503**	1
200	4	3	145	**286603**	1
400	4	3	221	**286703**	1
600	3	2	259	**286732**	1
800	3	2	297	**286762**	1
1200	3	2	411	**286782**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).

CAM SERIES
Line selector switches
watertight switches
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	1	4	52	**276604**	1
	2	5	67	**276605**	5
	3	6	83	**276606**	5
	4	7	98	**276607**	5
25	2	5	68	**276705**	1
	3	6	84	**276706**	5
	4	7	100	**276707**	5
40	2	5	92	**276805**	1
	3	6	110	**276806**	1
	4	7	128	**276807**	5
63	3	6	134	**286906**	1
	4	7	159	**286907**	5

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359

Spare parts page 376
Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436

CAM SERIES
Line selector switches
watertight switches
for distribution board and
flush-mounting with knob,
front-plate front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	4	7	197	**276507**	1
200	4	7	221	**286607**	1
400	4	7	373	**286707**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).

CAM SERIES
Reversing switches for three-phase motors
watertight switches
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	12	83	**276612**	5
25	3	12	84	**276712**	5
40	3	12	110	**276812**	1
63	3	12	134	**286912**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359

CAM SERIES
Reversing switches for three-phase motors
watertight switches with knob,
front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	631	96	**276289**	1
40	631	110	**276389**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
Pole reversing switches
for magnetic watertight planes
with knob, front-plate and front
panel Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	572	95	**276185**	1
	575	79	**276186**	1

Characteristics:
art. 276186 supplied without signalling contact.
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

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Assembly diagrams page 350
Contacts layouts page 316-317
Dimensions page 436

CAM SERIES
Star/triangle starters
watertight planes
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	13	98	**276613**	1
25	3	13	100	**276713**	1
40	3	13	128	**276813**	1
63	3	13	159	**286913**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359

CAM SERIES
Star/triangle starters
run reversing watertight planes
for distribution boards with knob
front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	14	116	**276214**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
Star/triangle starters
watertight planes
for distribution boards with knob
front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	13	197	**276513**	1
200	13	221	**286613**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars). Article 286613 supplied with handwheel.

CAM SERIES
Pole changing switches
watertight planes
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	15	98	**276615**	1
25	3	15	100	**276715**	1
40	3	15	128	**276815**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436

CAM SERIES
Pole changing switches
watertight planes
for distribution boards with front-plate knob 0-I-II and front plate
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	16	100	**276216**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
Pole changing switches run reversing
high performance watertight for distribution boards with knob and front-plate 2-1-0-2 front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	17	148	**276217**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
Heat control high performance
watertight switches with knob, front-plate 0-1-2-3 front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	2	32	67	**276132**	1
25	2	34	68	**276234**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
Watertight
high performance control
for distribution boards with knob front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	36	52	**276136**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436

CAM SERIES
Voltmeter selector switch
high performance watertight for distribution boards with knob and front-plate 0-RS-RT-ST and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	18	67	**276118**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
Voltmeter selector switch
high performance watertight for distribution boards with knob and front-plate RT-ST-RS-0-RN-SN-TN front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	35	83	**276135**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
Voltmeter selector switch
high performance watertight for distribution boards with knob and front-plate 0-RN-ST-TN and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	19	67	**276119**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
Ammeter selector switch on 3 watertight high performance reduction units with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	22	98	**276122**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436-437

CAM SERIES
Ammeter selector switch on 4 watertight high performance reduction units with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	23	98	**276123**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
3-way selector switch
high performance reduction units with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	24	68	**276224**	1
	2	24	84	**276244**	1
	3	24	116	**276254**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
4-way selector switch
high performance reduction units with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	25	68	**276225**	1
	2	25	100	**276245**	1
	3	25	132	**276255**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
5-way watertight high performance selector switch with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	26	84	**276226**	1
	2	26	116	**276246**	1
	3	26	164	**276256**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 437

CAM SERIES
6-way watertight high performance selector switch
with knob, front-plate
and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	27	84	**276227**	1
	2	27	132	**276247**	1
	3	27	180	**276257**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
3-way + 0 watertight high performance selector switch
with knob, front-plate
and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	28	68	**276228**	1
	2	28	84	**276248**	1
	3	28	116	**276258**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
4-way + 0 watertight high performance selector switch
with knob, front-plate
and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	29	68	**276229**	1
	2	29	100	**276249**	1
	3	29	132	**276259**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
5-way + 0 watertight high performance selector switch
with knob, front-plate
and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	30	84	**276230**	1
	2	30	132	**276250**	1
	3	30	180	**276260**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

Spare parts page 376
Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436-437

CAM SERIES
6-way + 0 watertight high performance selector switch with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	31	100	**276231**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

CAM SERIES
Two-Way watertight high performance selector switch for distribution board and flush-mounting
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	1	8	52	**276608**	1
	2	9	67	**276609**	1
	3	10	83	**276610**	1
	4	11	98	**276611**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359

CAM SERIES
Projecting terminals for control devices

Rated current (A)	Terminal block description	Palazzoli code	Pack Q.ty
16	Right	**270810**	20
	Left	**270811**	20
25	Right	**270820**	20
	Left	**270821**	20

Uses:
they are used for easily connecting wires to the terminals even if the device is installed in an awkward position.

CAM SERIES
Rear protection caps for distribution boards in transparent thermoplastic material
IP54

For devices with depth (mm)	Palazzoli code	Pack Q.ty
52/67/68	**276910**	1
74/82/92	**276930**	1
79/83/84/95/96/98/100	**276911**	1
108/110/128/134	**276931**	1
114/116/130/132	**276912**	1
145/148/160/164	**276913**	1
159	**276932**	1

Uses:
they have connections with stepped gland in non-ageing elastomer. They ensure rear protection IP54.

CAM SERIES
Rear protection caps for flush-mounting in transparent thermoplastic material
IP54

For devices with depth (mm)	Palazzoli code	Pack Q.ty
52/67/68	**278920**	1
74/82/92	**278940**	1
83/84/96/98/100	**278921**	1
108/110/128/134	**278941**	1
159	**278942**	1

Characteristics:
they have connections with stepped gland in non-ageing elastomer. They ensure rear protection IP54.

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436

CAM SERIES
Black knobs **for distribution boards** boards with front-plate in anodized aluminium and polycarbonate transparent protection
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25A	67x67	**292115**	10
Switches 40/63A	99x99	**292315**	1
Selector switches, reversing switches, pole changing switches 16/25A	67x67	**292135**	10
Selector switches, reversing switches, pole changing switches 40/63A	99x99	**292335**	1
Two-way switches 16A	67x67	**292145**	1
Star/triangle starters 16/25A	67x67	**292155**	1
Star/triangle starters 40/63A	99x99	**292355**	1

CAM SERIES
Grey lockable knobs **for distribution boards**, with blue thermoplastic flange IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292125**	10
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292325**	1

Characteristics:
for lockable main switches in position “I” or “0”.

CAM SERIES
Red lockable emergency knobs **for distribution boards**, with yellow thermoplastic flange IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292105**	10
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292305**	1

Characteristics:
for lockable main switches in position “I” or “0”.

CAM SERIES
Black knobs **for distribution boards** with front-plate in anodized aluminium and polycarbonate transparent protection
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25A	67x67	**292116**	1
Switches 40/63A	99x99	**292316**	1
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292136**	1
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292336**	1
Two-way switches 16A	67x67	**292146**	1
Star/triangle starters 16/25A	67x67	**292156**	1
Star/triangle starters 40/63A	99x99	**292356**	1

CAM SERIES
Grey lockable **flush-mounted** knobs, with blue thermoplastic flange IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292126**	1
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292326**	1

Characteristics:
for lockable main switches in position “I” or “0”.

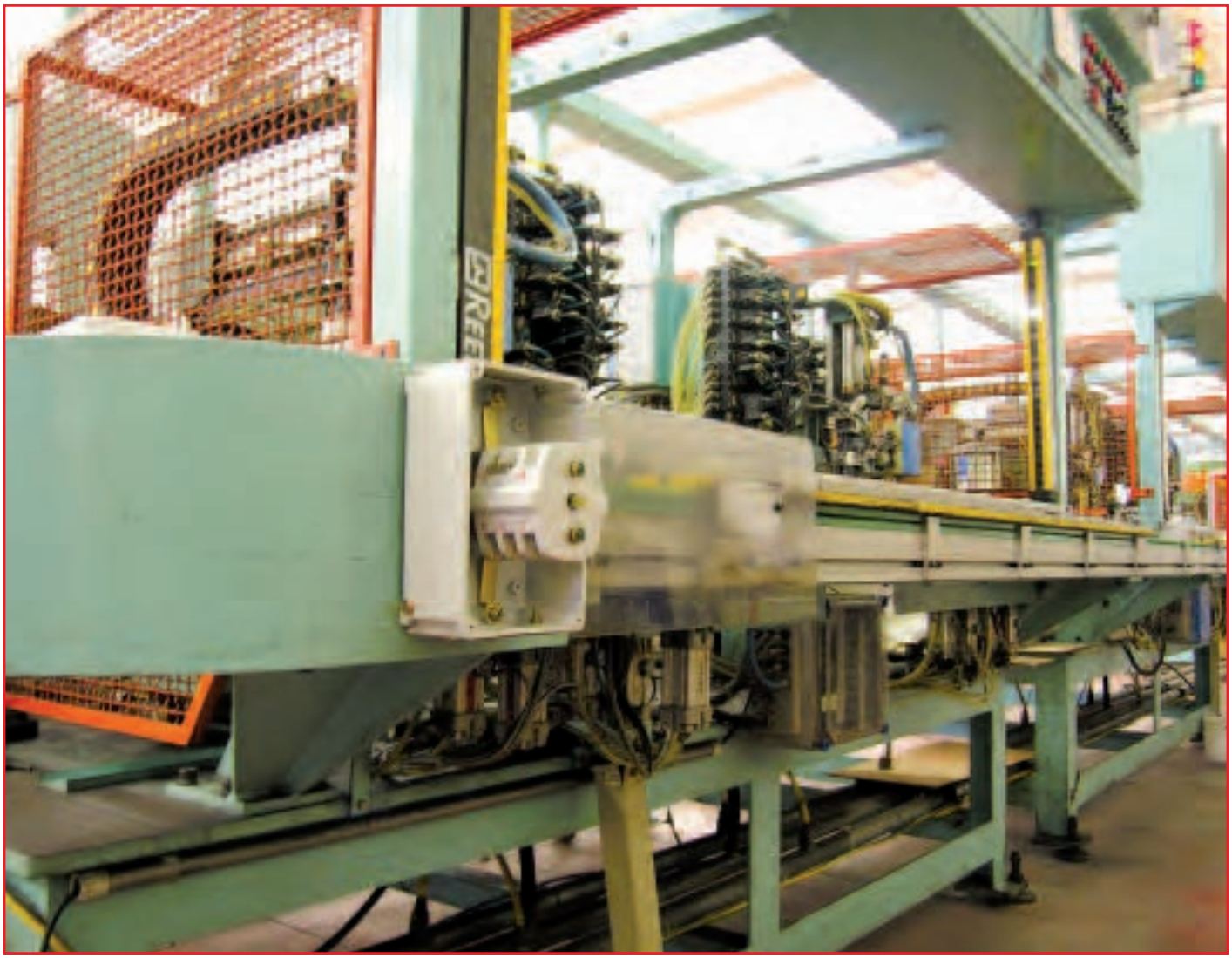
CAM SERIES
Red lockable flush-mounted **emergency knobs** with yellow thermoplastic flange
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292106**	1
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292306**	1

Characteristics:
for lockable main switches in position “I” or “0”.

Dimensions page 436

Rear panel devices with doorlock



CAM 362

Switches with doorlock
In up to 400A

CAM 362

Line selector switches with doorlock
In up to 200A

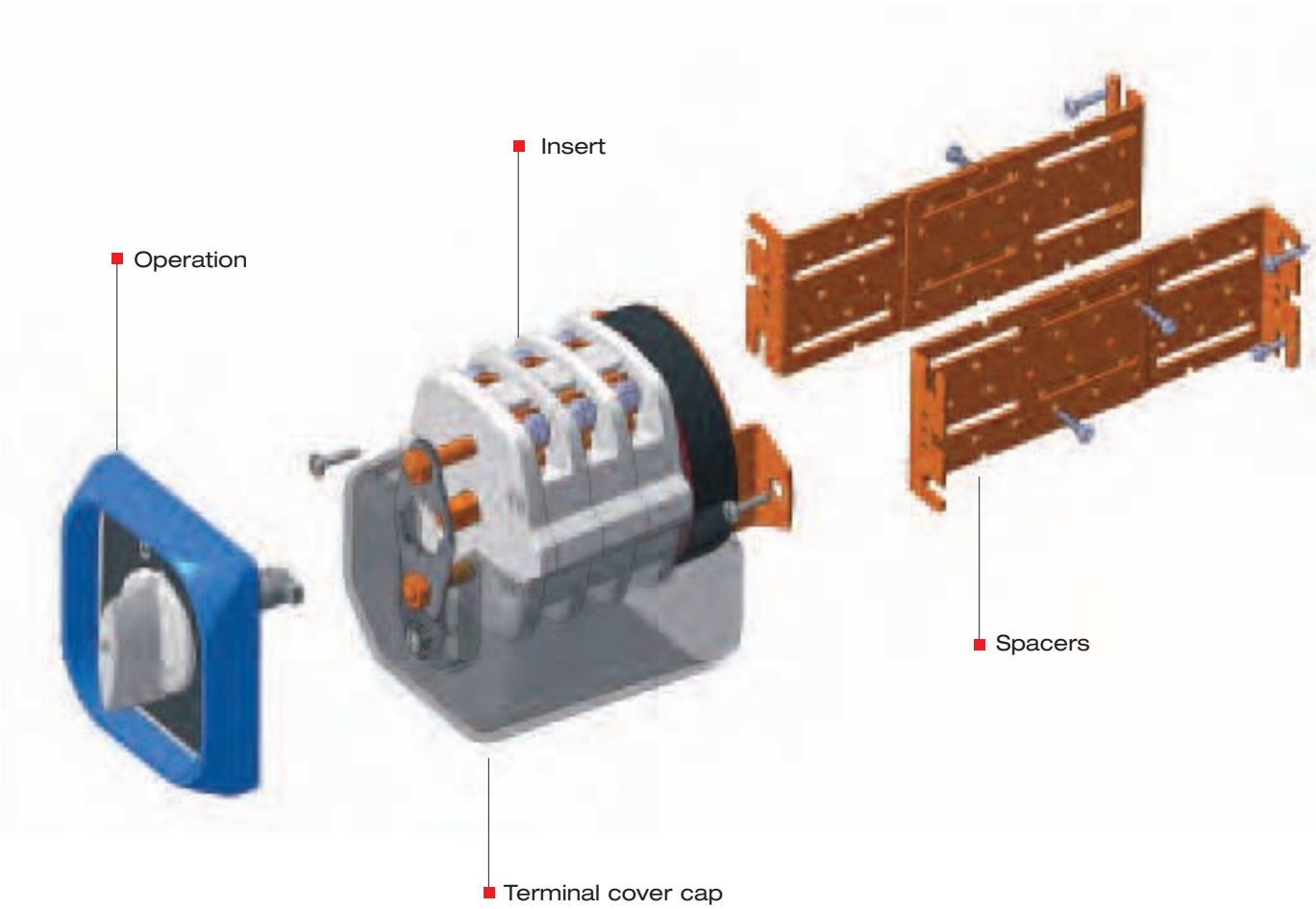
CAM 363

Technical accessories

CAM 364-365

Knobs for CAM with doorlock

CAM BASE PANEL CONTROL DEVICES 16÷63A
SCREW FIXING



CAM series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3 CEI EN 60529	IEC 60947-3 IEC 60529
Operation category:	AC3 - AC23A	
Protection rating:	IP65 /IP64 finishes	IP00 cores
Impact resistance:	> IK 08	
Glow wire test:	960°C	
Self-Extinguishing:	V0	
Temperature resistance:	Operating: Storage:	-25°C - +60°C -40°C - +80°C

CAM SERIES
A32 switches
with doorlock for cabinets,
with protective cap on high
cacpacity input
Terminal blocks IP00

Rated current (A)	Poles	Depth (mm)	Palazzoli code	Pack Q.ty
32	2	102	**275232**	1
	3	102	**275332**	1
	4	102	**275432**	1

Characteristics:
clamps suitable for locking cables without preparing wires in advance and without using terminals.
Uses:
for snaplocking the device on EN50022 rail or directly fastening it onto the plate using screws.
Complementary items:
cabinet knobs page 364÷365

CAM SERIES
Switches
with doorlock for cabinets,
with protective cap on high
cacpacity input
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	2	96	**275112**	10
	4	3	96	**275113**	10
25	3	2	97	**275212**	10
	4	3	97	**275213**	10
40	3	2	123	**275312**	5
	4	3	123	**275313**	5
63	3	2	140	**285412**	5
	4	3	140	**285413**	5

Complementary items:
protruding terminals page 363
Spacer kit page 363
cabinet knobs page 364÷365

CAM SERIES
Switches
with doorlock for cabinets,
with protective cap on high
cacpacity input
terminals
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	3	2	183	**270512**	1
100	4	3	183	**270513**	1
200	3	2	195	**280612**	1
200	4	3	195	**280613**	1
400	3	2	233	**280712**	1
400	4	3	271	**280713**	1

Complementary items:
cabinet knobs page 364÷365

Assembly diagrams page 361
Contacts layouts page 316
Dimensions page 438

CAM SERIES
Selector switches
with doorlock for cabinets,
with protective cap on high
capacity input
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	6	112	**275116**	1
	4	7	128	**275117**	1
25	3	6	113	**275216**	1
	4	7	129	**275217**	1
40	3	6	141	**275316**	1
	4	7	159	**275317**	1
63	3	6	166	**285416**	1
	4	7	191	**285417**	1

Complementary items:
protruding terminals page 363
Spacer kit page 363
cabinet knobs page 364÷365

CAM SERIES
Selector switches
with doorlock for cabinets,
with protective cap on high
capacity input
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	4	7	247	**270517**	1
200	4	7	271	**280617**	1

Complementary items:
cabinet knobs page 364÷365

CAM SERIES
Projecting terminals
for control devices

Rated current (A)	Terminal block description	Palazzoli code	Pack Q.ty
16	Right	**270810**	20
	Left	**270811**	20
25	Right	**270820**	20
	Left	**270821**	20

Uses:
they are used for easily connecting wires to the terminals even if the device is installed in an awkward position.

CAM SERIES
Adjustable spacer support kit
for attaching control devices for
tropicalized steel cabinet with
doorlock.

Min. lenght (mm)	Max. lenght (mm)	Palazzoli code	Pack Q.ty
96,5	168,5	**270900**	10

Characteristics
suitable for loads from 16A to 63A Composed of 4 equal brackets in zinc-plated steel with self-threading screws and washers.
Uses
it is used for fixing devices in the right position and height for correct coupling with the control applied to the hatch.

Assembly diagrams page 361
Contacts layouts page 316
Dimensions page 436-437

REAR PANEL DEVICES WITH DOORLOCK

CAM SERIES
Black knobs with doorlock for cabinets, with anodised aluminium front-plate and transparent polycarbonate protection
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25/32A	67x67	**295117**	10
Switches 40/63A	99x99	**295157**	5
Selector switches 16/25A	67x67	**295137**	1
Selector switches 40/63A	99x99	**295177**	1

CAM SERIES
Grey lockable knobs with doorlock for cabinets, with blue thermoplastic flange
IP65

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25/32A	83x83	**295108**	10
Switches 40/63A	105x105	**295308**	5
Selector switches 16/25A	83x83	**295118**	1
Selector switches 40/63A	105x105	**295318**	1

Characteristics:
lockable in any position. Codes 295308 and 295318 have a projecting lever knob.

CAM SERIES
Grey lockable knobs with doorlock for cabinets, with blue thermoplastic flange
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches 16/25/32A	67x67	**295127**	1
Switches, selector switches 40/63A	99x99	**295167**	1

Characteristics:
lockable in any position.

CAM SERIES
Red lockable emergency knobs with doorlock for cabinets, with yellow thermoplastic flange
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches 16/25/32A	67x67	**295107**	10
Switches, selector switches 40/63A	99x99	**295147**	5

Characteristics:
lockable in any position.

Dimensions page 439

CAM SERIES
Red lockable emergency knobs with doorlock for cabinets, with yellow thermoplastic flange
IP65

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25/32A	83x83	**295128**	10
Switches 40/63A	105x105	**295328**	5
Selector switches 16/25A	83x83	**295138**	1
Selector switches 40/63A	105x105	**295338**	1

Characteristics:
lockable in any position. Codes 295328 and 295338 have a projecting lever knob.

CAM SERIES
Black knobs with doorlock for cabinets, with anodised aluminium front-plate
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 100A ~	134x134	**270528**	1
Switches 200A ~	134x134	**270628**	2
Selector switches 100A	134x134	**270538**	1
Selector switches 200A	134x134	**270638**	1

CAM SERIES
Black handwheel with doorlock for cabinets, with anodised aluminium front-plate
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 400A	134x134	**270728**	1

CAM SERIES
Grey lockable knobs with doorlock for cabinets, with blue thermoplastic flange
IP65

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 100/200A	105x105	**292508**	1
Switches 400A ~	72x83	**292708**	1
Selector switches 100/200A	105x105	**292518**	1

Characteristics:
lockable in any position. Code 292708 has a projecting lever knob.

CAM SERIES
Red lockable emergency knobs with doorlock for cabinets, with yellow thermoplastic flange
IP65

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 100/200A	105x105	**292528**	2
Switches 400A ~	72x83	**292728**	1
Selector switches 100/200A	105x105	**292538**	1

Characteristics:
lockable in any position. Code 292728 has a projecting lever knob.

Dimensions page 439

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