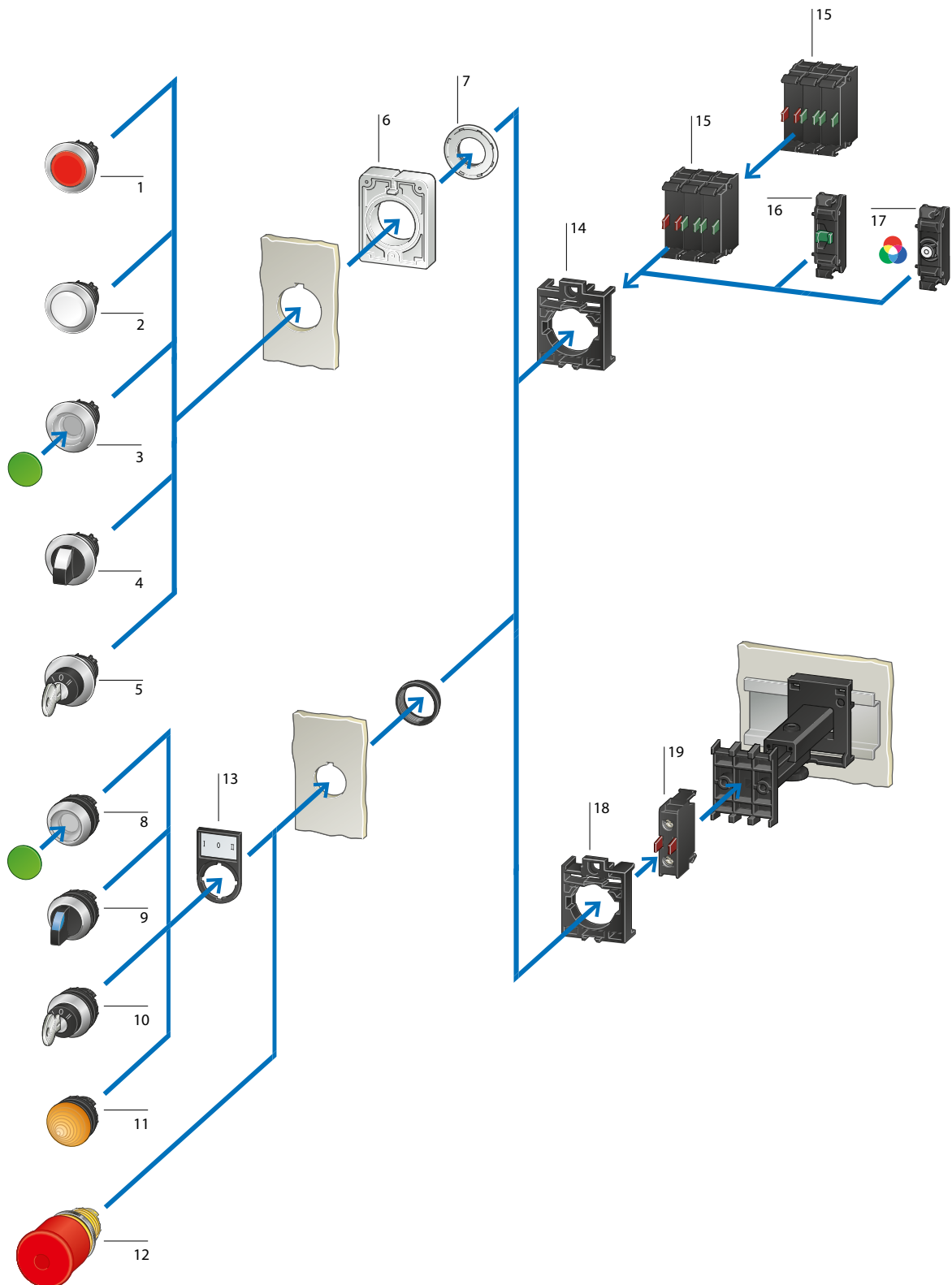


Keuzehulp Drukknoppen assortiment



RMQ-Titan pilot devices



- | | | | |
|---|------------------------------|----------------------------|--------------------------------|
| 1) M30 indicator lights | 6) RMQ-AFX | 11) M22 indicator lights | 16) Flat Rear contact elements |
| 2) M30 pushbuttons | 7) Threaded ring | 12) Emergency stop buttons | 17) Flat Rear LED elements |
| 3) M30 illuminated pushbutton actuators | 8) M22 pushbuttons | 13) Label mounts | 18) Centering adapter |
| 4) M30 selector switches | 9) M22 selector switches | 14) Mounting adapter | 19) Telescopic clip |
| 5) M30 key-operated buttons | 10) M22 key-operated buttons | 15) Contact elements | |

RMQ compact solution

Selected types

Pushbuttons

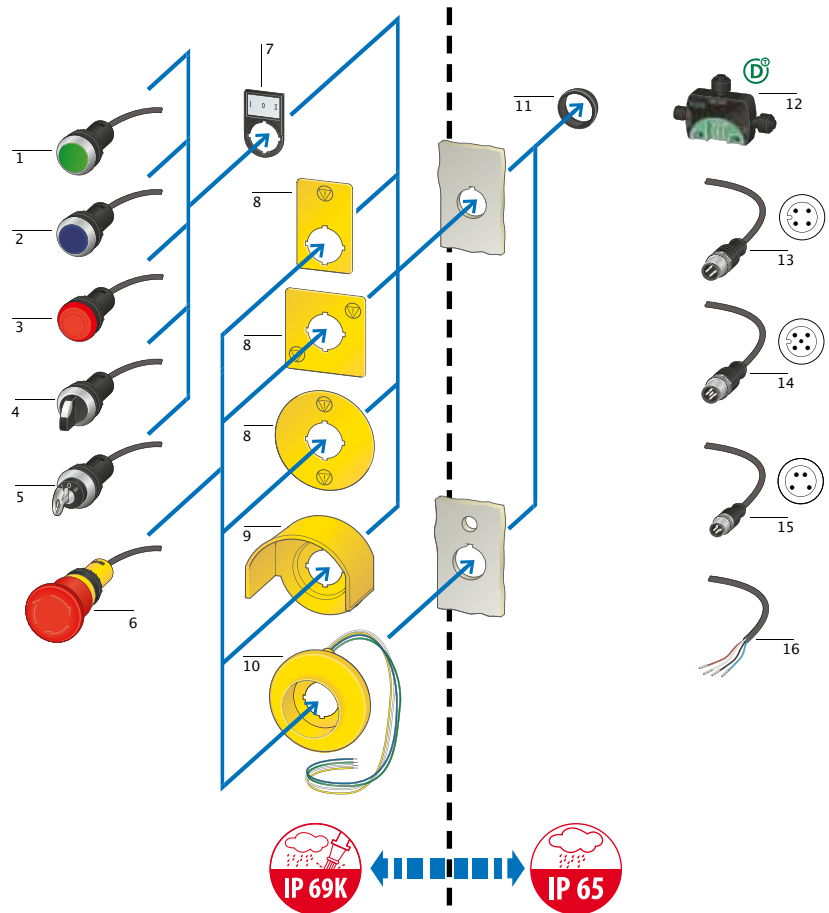
Article no.	Part no.
9718526	C22-D-G-K10-P5
9718610	C22-D-R-K01-P5
9718792	C22-D-S-K01-P5
9718806	C22-D-W-K10-P5
5980850	C22-D-G-K10-P62
5980857	C22-D-R-K01-P62
5980864	C22-D-S-K01-P62
5980871	C22-D-W-K10-P62

Illuminated pushbutton actuators

Article no.	Part no.
9718540	C22-DL-B-K10-24-P5
9718554	C22-DL-G-K10-24-P5
9718568	C22-DL-R-K01-24-P5
9718582	C22-DL-W-K10-24-P5
5980346	C22-DL-B-K10-24-P62
5980353	C22-DL-G-K10-24-P62
5980360	C22-DL-R-K01-24-P62
5980367	C22-DL-W-K10-24-P62

Indicator lights

Article no.	Part no.
9718890	C22-L-B-24-P5
9718904	C22-L-G-24-P5
9718918	C22-L-R-24-P5
9718932	C22-L-W-24-P5
9718946	C22-L-Y-24-P5
5979758	C22-L-B-24-P62
5979765	C22-L-G-24-P62
5979772	C22-L-R-24-P62
5979779	C22-L-W-24-P62
5979786	C22-L-Y-24-P62



- | | |
|---|----------------------------------|
| 1) C22 pushbuttons | 9) Guard rings |
| 2) C22 illuminated pushbutton actuators | 10) Illuminated rings |
| 3) C22 indicator lights | 11) Threaded rings |
| 4) C22 selector switches | 12) SWD I/O module |
| 5) C22 key-operated buttons | 13) Cable with M12A plug, 4 pole |
| 6) C22 emergency stops | 14) Cable with M12A plug, 5 pole |
| 7) Label mounts | 15) Cable with M8 plug, 4 pole |
| 8) Emergency stop labels, IP66 | 16) Cable end open, 4 pole |

Selector switches		Key-operated selector switches		E-stops	
Article no.	Part no.	Article no.	Part no.	Article no.	Part no.
5982103	C22-WK-K10-P5	5982383	C22-WS-MS1-K10-P5	5979947	C22-PV-K02-P10
5982110	C22-WRK-K10-P5	5982390	C22-WRS-MS1-K10-P5	5979940	C22-PVT45P-K02-P10
5982166	C22-WK-K01-P62	5982446	C22-WS-MS1-K01-P62	5979884	C22-PV-K02-P62
5982173	C22-WK-K10-P62	5982453	C22-WS-MS1-K10-P62	5979912	C22-PVT-K02-P62
5982201	C22-WRK-K01-P62	5982481	C22-WRS-MS1-K01-P62	5979828	C22-PVT45P-K02-P62
5982208	C22-WRK-K10-P62	5982488	C22-WRS-MS1-K10-P62		

P5 = M12A, 4 pole, 1m

P62 = open cable end, 1m

P10 = M12A, 5 pole, 0.2m

Additional versions on request

RMQ-Titan			Contact elements		Double contact element	LED elements	
Technical data			M22-(C)K...	M22-FK...	M22-CK20/02/11	M22(C)-LED...	M22-FLED...
General							
Standards			IEC/EN 60947-5-1		IEC/EN 60947-5-1	IEC/EN 60947-5-1	
Lifespan, mechanical	Operations	x 10 ⁶	5	1	–	–	–
Operating frequency	Operations/h		≤3600	≤3600	≤3600	–	–
Operating force		N	5	4.5	10	–	–
Operating torque (screw terminals)		Nm	0.8	–	–	0.8	–
Degree of protection IEC/EN 60529			IP 20	IP 20	IP 20	IP 20	IP 20
Climatic proofing			Damp heat as defined in IEC 60 068-2-3 Damp heat, cyclic as defined in IEC 60 068-2-30				
Ambient air temperature, open		°C	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70
Mounting position			Any	Any		Any	Any
Mechanical shock resistance to IEC 60068-2-27		g	30	50	30	30	50
Wire gauges							
Solid		mm ²	2 x (0,75-2,5)	2 x (0,25-1,5) ¹⁾	2 x (0,5-1,5)	2 x (0,75-2,5)	1 x (0,25-1,5) ¹⁾
Stranded		mm ²	2 x (0,75-2,5)	2 x (0,2-1,5)	2 x (0,5-1,5)	2 x (0,75-2,5)	1 x (0,2-1,5)
Flexible with ferrule		mm ²	2 x (0,5-1,5)	2 x (0,25-1,0) ²⁾	2 x (0,5-1,0)	2 x (0,5-1,5)	1 x (0,25-1,0) ²⁾
Contacts							
Rated impulse with stand voltage	U _{imp}	V AC	6000	4000		6000	4000
Rated insulation voltage	U _i	V	500	250		500	250
Overtoltage category/degree of pollution			III/3	III/3		III/3	III/3
Control circuit reliability							
at 24 V DC/5 mA	H _F	Fault probability	<10 ⁻⁷ (e.g. one failure every 10 ⁷ operations)	–			
at 5 V DC/1 mA	H _F	Fault probability	<5 x 10 ⁻⁶ (e.g. one failure every 5 x 10 ⁶ operations)	–			
Max. short-circuit protective device							
Fuseless		Type	PKZM0-10/ FAZ-B6/1	FAZ-B4			
Fuse	gG/gL	A	10	4			
Switching capacity							
Rated operational current							
AC-15	24 V	I _e	A	–	4		
	60 V	I _e	A	–	4		
	100 V	I _e	A	–	2		
	115 V	I _e	A	6	–		
	230 V	I _e	A	6	1.5		
	400 V	I _e	A	4	–		
DC-13	500 V	I _e	A	2	–		
	24 V	I _e	A	3	1.5		
	42 V	I _e	A	1.7	–		
	60 V	I _e	A	1.2	0.8		
	110 V	I _e	A	0.6 (M22-CK...:0.8)	0.4		
220 V	I _e	A	0.3	0.2			
Lifespan, electrical							
AC-15	230 V/0.5 A	Operations	x 10 ⁶	1.6	–		
	230 V/1.0 A	Operations	x 10 ⁶	1	–		
	230 V/3.0 A	Operations	x 10 ⁶	0.7	–		
DC-13	12 V/2.8 A	Operations	x 10 ⁶	1.2	–		

Notes

- ¹⁾ Can be plugged without tools
²⁾ Use WAGO Variocrimp 4 crimping tool
Additional versions on request

Links to Pushbutton Configurator:

www.eaton.eu/config/rmq
www.eaton.de/config/rmq



Pushbuttons



RMQ-Titan



RMQ Flat Front Design

Button plate	Pushbuttons momentary	Pushbuttons maintained	Pushbuttons momentary	Pushbuttons maintained
	M22-D-S 2221737	M22-DR-S 2342798	M30C-FD-S 5979303	M30C-FDR-S 5979184
	M22-D-W 2221745	M22-DR-W 2342806	M30C-FD-W 5979310	M30C-FDR-W 5979191
	M22-D-R 2228344	M22-DR-R 2342814	M30C-FD-R 5979016	M30C-FDR-R 5979198
	M22-D-G 2259570	M22-DR-G 2342822	M30C-FD-G 5979023	M30C-FDR-G 5979205
	M22-D-Y 2259588	M22-DR-Y 2342830	M30C-FD-Y 5979030	M30C-FDR-Y 5979212
	M22-D-B 2259596	M22-DR-B 2342848	M30C-FD-B 5979037	M30C-FDR-B 5979219
	M22-D-R-X0 2228369	M22-DR-R-X0 1711336	M30C-FD-R-X0 5979163	M30C-FDR-R-X0 5979142
	M22-D-G-X1 2228377	M22-DR-G-X1 1711379	M30C-FD-G-X1 5979282	M30C-FDR-G-X1 5979107
	M22-D-S-X0 2228385	M22-DR-S-X0 1711380	M30C-FD-S-X0 5979317	M30C-FDR-S-X0 5979149
	M22-D-W-X1 2228393	M22-DR-W-X1 1711812	M30C-FD-W-X1 5979324	M30C-FDR-W-X1 5979156
None	M22-D-X 2228351	M22-DR-X 2342855	M30C-FD-X 5979044	M30C-FDR-X 5979226
without lens M22-DG-X with protective ring	M22-DG-X 2228435			

Additional versions on request

Illuminated pushbutton actuators



RMQ-Titan



RMQ Flat Front Design

Button plate	Illuminated pushbutton actuators, momentary	Illuminated pushbutton actuators, maintained	Illuminated pushbutton actuators, momentary	Illuminated pushbutton actuators, maintained
	M22-DL-W 2228526	M22-DRL-W 2228583	M30C-FDL-W 5979065	M30C-FDRL-W 5979240
	M22-DL-R 2228534	M22-DRL-R 2228591	M30C-FDL-R 5979072	M30C-FDRL-R 5979247
	M22-DL-G 2228542	M22-DRL-G 2228609	M30C-FDL-G 5979079	M30C-FDRL-G 5979254
	M22-DL-Y 2228559	M22-DRL-Y 2228617	M30C-FDL-Y 5979086	M30C-FDRL-Y 5979261
	M22-DL-B 2228567	M22-DRL-B 2228625	M30C-FDL-B 5979170	M30C-FDRL-B 5979268
	M22-DL-R-X0 2263093	M22-DRL-R-X0 1712644	M30C-FDL-R-X0 5979296	M30C-FDRL-R-X0 5979121
	M22-DL-G-X1 2263127	M22-DRL-G-X1 1711984	M30C-FDL-G-X1 5979289	M30C-FDRL-G-X1 5979114
	M22-DL-W-X0 1711982	M22-DRL-W-X0 1711986	M30C-FDL-W-X0 5979093	M30C-FDRL-W-X0 5979128
	M22-DL-W-X1 2228575	M22-DRL-W-X1 1712123	M30C-FDL-W-X1 5979100	M30C-FDRL-W-X1 5979135
None	M22-DL-X 2638310	M22-DRL-X 2750941	M30C-FDL-X 5979177	M30C-FDRL-X 5979275

Additional versions on request

Double actuator pushbuttons



Button plate

Double actuator pushbuttons

	M22-DDL-GR-X1/X0 2228443
	M22-DDL-WS-X1/X0 2228450
	M22-DDL-GR-GB1/GB0 2228476
	M22-DDL-WS-GB1/GB0 2228468
	M22-DDL-S-X7/X7 1711821
	M22-DDL-S-X4/X5 1712095
	M22-DDL-GR 1711344
	M22-DDL-WS 1711388

Additional versions on request

Indicator lights



RMQ-Titan

RMQ Flat Front Design

Button plate

Indicator lights

Indicator lights

	M22-L-W 2228690	M30C-FL-W 5979408
	M22-L-R 2228724	M30C-FL-R 5979373
	M22-L-G 2228716	M30C-FL-G 5979380
	M22-L-Y 2228732	M30C-FL-Y 5979394
	M22-L-B 2228708	M30C-FL-B 5979387

Emergency stops



Function

38mm

45mm

Pull release	M22-PV 2229094	
Pull release, illuminated	M22-PVL 2340982	
Turn-release	M22-PVT 3159555	M22-PVT45P 2615431
Twist release, illuminated	M22-PVLT 1715274	M22-PVLT45P 2615434
Twist release, with key	M22-PVS 2229102	M22-PVS45P-MS1 2615438

Additional versions on request

Accessory devices



Guard rings	M22-XGPV 1713073
Sealable shroud	M22-PL-PV 2231801
Label	M22-XAK11 2615394

Selector switches with thumb-grip



Design

Color

2 positions momentary

2 positions maintained

3 positions momentary






3 positions maintained

RMQ-Titan		M22-WLK-W 2229193	M22-WRLK-W 2229144	M22-WLK3-W 2229250	M22-WRLK3-W 2229300
RMQ Flat Front Design		M30C-FWLK-W 5983223	M30C-FWRLK-W 5982677	M30C-FWLK3-W 5983153	M30C-FWRLK3-W 5983258

Additional versions on request

Contact elements













Category	Function	Front mounting	Base mounting	Slim mounting depth	Adapter
Screw terminals		M22-K01D 1714281			Front mounting
		M22-K10 2229417	M22-KC10 2229433		M22-A 2229334
		M22-K01 2229409	M22-KC01 2229425		M22-A4 1717171
Spring-cage terminals		M22-CK10 2638302	M22-CKC10 1710921	M22-FK10 5348400	
		M22-CK01 2717312	M22-CKC01 2717346	M22-FK01 5348393	

Additional versions on request

LED elements



		Screw terminals		Spring-cage terminals	
Front mounting		12-30 V AC/DC	85-264 V AC	Slim mounting depth 12-30 V AC/DC	
	M22-LED-W 2229474	M22-LED230-W 2483857		M22-FLED-W 5348421	
	M22-LED-R 2229466	M22-LED230-R 2483840		M22-FLED-R 5348442	
	M22-LED-G 2229441	M22-LED230-G 2483832		M22-FLED-G 5348435	
	M22-LED-B 2229458	M22-LED230-B 2483824		M22-FLED-B 348428	
				M22-FLED-RG 5348449	
				M22-FLED-RGB 5348456	
Screw terminals					
Base mounting		12-30 V AC/DC	85-264 V AC		
	M22-LEDC-W 2483899	M22-LEDC230-W 2229631			
	M22-LEDC-R 2483881	M22-LEDC230-R 2229623			
	M22-LEDC-G 2483873	M22-LEDC230-G 2229615			
	M22-LEDC-B 2483865	M22-LEDC230-B 2229607			

Additional versions on request

Surface mounting enclosures



Joysticks



Mounting locations/color

Surface mounting enclosures

Function

22.5 mm

30.5 mm

1		M22-IY1 2231629	4 positions, momentary	M22-WJS4 9719051	M30C-FWJS4 5982964
1		M22-I1 2231553	4 positions maintained	M22-WRJS4 9719079	
2		M22-I2 2231587	2 positions, momentary, horizontal	M22-WJS2H 9719023	
3		M22-I3 2231595	2 positions, maintained, horizontal	M22-WRJS2H 9719002	M30C-FWRJS2H 5982971
4		M22-I4 2231603	2 positions, momentary, vertical	M22-WJS2V 9719037	
6		M22-I6 2231611			

Additional versions on request

Potentiometer/Encoder/USB/RJ45



kOhm

22.5 mm

30.5 mm

22.5 mm

30.5 mm

1	M22-R1K 1712941	M30C-FR1K 5982691	M22-USB 9296996	M30C-FUSB 187082
4.7	M22-R4K7 2914893	M30C-FR4K7 5982698	M22-RJ45-SA 1711553	M30C-FRJ45 187086
10	M22-R10K 2475234	M30C-FR10K 5982733		
47	M22-R47K 1712943	M30C-FR47K 5982705		
100	M22-R100K 1712944	M30C-FR100K 5982712		
470	M22-R470K 1713026	M30C-FR470K 5982719		
	M22-INC-SWD 9718953	M30C-FINC-SWD 5982978		
	M22-INC-SWD-INC 9718960	M30C-FINC-SWD-INC 188245		

Additional versions on request