

ROM-Titan® pilot devices

Product Range Catalog


C22 compact program

Efficient control and indication

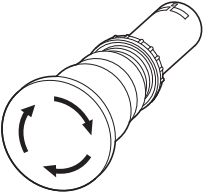



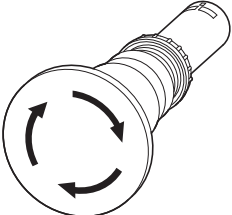


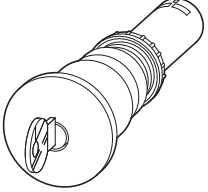













EATON
Powering Business Worldwide

 **Ebda'a**
Al-wakeel
Electrical and lighting materials trading

	Emergency stop/emergency switching off pushbuttons	
	Ordering	2
	Technical data	26
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	Push-button actuators	
	Ordering	5
Technical data	26	
Dimensions	28	
Selector switch actuators		
Ordering	11	
Technical data	26	
Dimensions	28	
Key-operated buttons		
Ordering	13	
Technical data	26	
Dimensions	28	
Indicator lights		
Ordering	20	
Technical data	26	
Dimensions	29	
Illuminated pushbuttons		
Ordering	22	
Technical data	26	
Dimensions	29	

Ordering

	Lock mechanism	Auxiliary contacts: ⊖ = safety function, by positive opening to IEC/EN 60947-5-1 N/O = Normally open N/C = Normally closed	Contact sequence	Part no. Article no.	Price see price list	Std. pack
Emergency stop/emergency switching off pushbuttons						
IP67, IP69K Red mushroom head (RAL 3000) Without illumination For LED lighting ring see HPL0200-2010en-EN, Page 2/10 For EMERGENCY STOP/EMERGENCY SWITCHING OFF labels see HPL0200-2010en-EN, Page 2/11						
Turn-to-release function						
Diameter 45 mm						
	-	-	2 N/C ⊖		C22-PVT45P-K02 121611	1 off 
	-	1 N/O	1 N/C ⊖		C22-PVT45P-K11 121610	
Diameter 60 mm						
	-	-	2 N/C ⊖		C22-PVT60P-K02 121613	
	-	1 N/O	1 N/C ⊖		C22-PVT60P-K11 121612	
Key operation lock mechanism 1 key included as standard						
Diameter 45 mm						
	MS1	-	2 N/C ⊖		C22-PVS45P-MS1-K02 121619	1 off 
	MS1	1 N/O	1 N/C ⊖		C22-PVS45P-MS1-K11 121618	
	MS2	-	2 N/C ⊖		C22-PVS45P-MS2-K02 136591	
	MS2	1 N/O	1 N/C ⊖		C22-PVS45P-MS2-K11 136582	
	MS3	-	2 N/C ⊖		C22-PVS45P-MS3-K02 136592	
	MS3	1 N/O	1 N/C ⊖		C22-PVS45P-MS3-K11 136583	
	MS4	-	2 N/C ⊖		C22-PVS45P-MS4-K02 136593	
	MS4	1 N/O	1 N/C ⊖		C22-PVS45P-MS4-K11 136584	
	MS5	-	2 N/C ⊖		C22-PVS45P-MS5-K02 136594	
	MS5	1 N/O	1 N/C ⊖		C22-PVS45P-MS5-K11 136585	

Information relevant for export to North America



Product Standards

UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-10; CAN/CSA-C22.2 No. 94.2-07;
UL991Edition 3 -Revision Date 2010/06/09; ANSI/UL508; ANSI/UL508;
ANSI/NFPA 79; CE marking

E340491
NISD
2351467 (LR12528)
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

Emergency stop/emergency switching off pushbuttons

C22-PV...

Lock mechanism	Auxiliary contacts: ⊕ = safety function, by positive opening to IEC/EN 60947-5-1 N/O = Normally open N/C = Normally closed	Contact sequence	Part no. Article no.	Price see price list	Std. pack		
Emergency stop/emergency switching off pushbuttons							
Key operation lock mechanism 1 key included as standard							
Diameter 45 mm							
	MS6	–	2 N/C ⊕		C22-PVS45P-MS6-K02 136595	1 off 	
	MS6	1 N/O	1 N/C ⊕		C22-PVS45P-MS6-K11 136586		
	MS7	–	2 N/C ⊕		C22-PVS45P-MS7-K02 136596		
	MS7	1 N/O	1 N/C ⊕		C22-PVS45P-MS7-K11 136587		
	MS8	–	2 N/C ⊕		C22-PVS45P-MS8-K02 136597		
	MS8	1 N/O	1 N/C ⊕		C22-PVS45P-MS8-K11 136588		
	MS9	–	2 N/C ⊕		C22-PVS45P-MS9-K02 136598		
	MS9	1 N/O	1 N/C ⊕		C22-PVS45P-MS9-K11 136589		
	MS10	–	2 N/C ⊕		C22-PVS45P-MS10-K02 136599		
	MS10	1 N/O	1 N/C ⊕		C22-PVS45P-MS10-K11 136590		
	Ronis 455	–	2 N/C ⊕		C22-PVS45P-RS-K02 121615		
	Ronis 455	1 N/O	1 N/C ⊕		C22-PVS45P-RS-K11 121614		
	Diameter 60 mm						
		MS1	–	2 N/C ⊕			C22-PVS60P-MS1-K02 121621
MS1		1 N/O	1 N/C ⊕		C22-PVS60P-MS1-K11 121620		
MS2		–	2 N/C ⊕		C22-PVS60P-MS2-K02 136609		
MS2		1 N/O	1 N/C ⊕		C22-PVS60P-MS2-K11 136600		
MS3		–	2 N/C ⊕		C22-PVS60P-MS3-K02 136610		
MS3		1 N/O	1 N/C ⊕		C22-PVS60P-MS3-K11 136601		
MS4		–	2 N/C ⊕		C22-PVS60P-MS4-K02 136611		
MS4		1 N/O	1 N/C ⊕		C22-PVS60P-MS4-K11 136602		

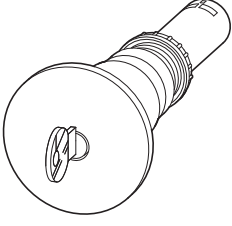















Information relevant for export to North America



Product Standards

UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-10; CAN/CSA-C22.2 No. 94.2-07; UL991 Edition 3 - Revision Date 2010/06/09; ANSI/UL508; ANSI/UL508; ANSI/NFPA 79; CE marking
E340491
NISD
2351467 (LR12528)
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

Lock mechanism	Auxiliary contacts: ⊖ = safety function, by positive opening to IEC/EN 60947-5-1 N/O = Normally open N/C = Normally closed	Contact sequence	Part no. Article no.	Price see price list	Std. pack	
Emergency stop/emergency switching off pushbuttons						
IP67, IP69K Red mushroom head (RAL 3000) Without illumination For LED lighting ring see HPL0200-2010en-EN, Page 2/10 For EMERGENCY STOP/EMERGENCY SWITCHING OFF labels see HPL0200-2010en-EN, Page 2/11						
Key operation lock mechanism 1 key included as standard						
Diameter 60 mm						
	MS5	–	2 N/C ⊖		C22-PVS60P-MS5-K02 136612	1 off 
	MS5	1 N/O	1 N/C ⊖		C22-PVS60P-MS5-K11 136603	
	MS6	–	2 N/C ⊖		C22-PVS60P-MS6-K02 136613	
	MS6	1 N/O	1 N/C ⊖		C22-PVS60P-MS6-K11 136604	
	MS7	–	2 N/C ⊖		C22-PVS60P-MS7-K02 136614	
	MS7	1 N/O	1 N/C ⊖		C22-PVS60P-MS7-K11 136605	
	MS8	–	2 N/C ⊖		C22-PVS60P-MS8-K02 136615	
	MS8	1 N/O	1 N/C ⊖		C22-PVS60P-MS8-K11 136606	
	MS9	–	2 N/C ⊖		C22-PVS60P-MS9-K02 136616	
	MS9	1 N/O	1 N/C ⊖		C22-PVS60P-MS9-K11 136607	
	MS10	–	2 N/C ⊖		C22-PVS60P-MS10-K02 136617	
	MS10	1 N/O	1 N/C ⊖		C22-PVS60P-MS10-K11 136608	
	Ronis 455	–	2 N/C ⊖		C22-PVS60P-RS-K02 121617	
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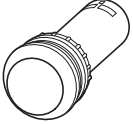












































Information relevant for export to North America



Product Standards

IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-10; CAN/CSA-C22.2 No. 94.2-07; UL991 Edition 3 - Revision Date 2010/06/09; ANSI/UL508; ANSI/UL508; ANSI/NFPA 79; CE marking
E340491
NISD
2351467 (LR12528)
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

Button plate	Contacts		Contact sequence	Bezel: Silver		Bezel: black		Std. pack
	N/O = Normally open	N/C = Normally closed		Part no. Article no.	Price see price list	Part no. Article no.	Price see price list	
Pushbutton actuators								
IP67, IP69K								
Flat								
momentary								
		1 N/O	–		C22-D-G-K10 132431		C22S-D-G-K10 121492	1 off  
		1 N/O	1 N/C		C22-D-G-K11 132429		C22S-D-G-K11 121490	
		2 N/O	–		C22-D-G-K20 132430		C22S-D-G-K20 121491	
		1 N/O	–		C22-D-G-X1-K10 131799		C22S-D-G-X1-K10 121480	
		1 N/O	1 N/C		C22-D-G-X1-K11 131797		C22S-D-G-X1-K11 121478	
		2 N/O	–		C22-D-G-X1-K20 131798		C22S-D-G-X1-K20 121479	
		–	1 N/C		C22-D-R-K01 132437		C22S-D-R-K01 121498	
		–	2 N/C		C22-D-R-K02 132436		C22S-D-R-K02 121497	
		1 N/O	1 N/C		C22-D-R-K11 132435		C22S-D-R-K11 121496	
		–	1 N/C		C22-D-R-X0-K01 132425		C22S-D-R-X0-K01 121486	
		–	2 N/C		C22-D-R-X0-K02 132424		C22S-D-R-X0-K02 121485	
		1 N/O	1 N/C		C22-D-R-X0-K11 132423		C22S-D-R-X0-K11 121484	
		–	1 N/C		C22-D-S-K01 132440		C22S-D-S-K01 121501	
		–	2 N/C		C22-D-S-K02 132439		C22S-D-S-K02 121500	
		1 N/O	1 N/C		C22-D-S-K11 132438		C22S-D-S-K11 121499	
		–	1 N/C		C22-D-S-X0-K01 132428		C22S-D-S-X0-K01 121489	
		–	2 N/C		C22-D-S-X0-K02 132427		C22S-D-S-X0-K02 121488	
		1 N/O	1 N/C		C22-D-S-X0-K11 132426		C22S-D-S-X0-K11 121487	
		1 N/O	–		C22-D-W-K10 132434		C22S-D-W-K10 121495	
		1 N/O	1 N/C		C22-D-W-K11 132432		C22S-D-W-K11 121493	
		2 N/O	–		C22-D-W-K20 132433		C22S-D-W-K20 121494	

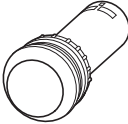













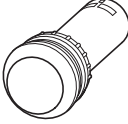


























Information relevant for export to North America



Product Standards

UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
NKCR
165628
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

	Button plate	Contacts N/O = Normally open	N/C = Normally closed	Contact sequence	Bezel: Silver	Price	Bezel: black	Price	Std. pack
					Part no. Article no.	see price list	Part no. Article no.	see price list	
Pushbutton actuators									
IP67, IP69K									
Flat									
momentary									
		1 N/O	–		C22-D-W-X1-K10 132422		C22S-D-W-X1-K10 121483		1 off  
		1 N/O	1 N/C		C22-D-W-X1-K11 132420		C22S-D-W-X1-K11 121481		
		2 N/O	–		C22-D-W-X1-K20 132421		C22S-D-W-X1-K20 121482		
	Without button plate ¹⁾	–	1 N/C		C22-D-X-K01 132465		C22S-D-X-K01 121526		
	Without button plate ¹⁾	–	2 N/C		C22-D-X-K02 132466		C22S-D-X-K02 121527		
	Without button plate ¹⁾	1 N/O	–		C22-D-X-K10 132469		C22S-D-X-K10 121530		
	Without button plate ¹⁾	1 N/O	1 N/C		C22-D-X-K11 132467		C22S-D-X-K11 121528		
	Without button plate ¹⁾	2 N/O	–		C22-D-X-K20 132468		C22S-D-X-K20 121529		
maintained									
		1 N/O	–		C22-DR-G-K10 132484		C22S-DR-G-K10 121545		1 off  
		1 N/O	1 N/C		C22-DR-G-K11 132482		C22S-DR-G-K11 121543		
		2 N/O	–		C22-DR-G-K20 132483		C22S-DR-G-K20 121544		
		1 N/O	–		C22-DR-G-X1-K10 132472		C22S-DR-G-X1-K10 121533		
		1 N/O	1 N/C		C22-DR-G-X1-K11 132470		C22S-DR-G-X1-K11 121531		
		2 N/O	–		C22-DR-G-X1-K20 132471		C22S-DR-G-X1-K20 121532		
		–	1 N/C		C22-DR-R-K01 132490		C22S-DR-R-K01 121551		
		–	2 N/C		C22-DR-R-K02 132489		C22S-DR-R-K02 121550		
		1 N/O	1 N/C		C22-DR-R-K11 132488		C22S-DR-R-K11 121549		
		–	1 N/C		C22-DR-R-X0-K01 132478		C22S-DR-R-X0-K01 121539		
		–	2 N/C		C22-DR-R-X0-K02 132477		C22S-DR-R-X0-K02 121538		
		1 N/O	1 N/C		C22-DR-R-X0-K11 132476		C22S-DR-R-X0-K11 121537		

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¹⁾ Button plates, see HPL0200-2010EN, Page 2/36

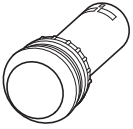



















Information relevant for export to North America



Product Standards

UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
NKCR
165628
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

Button plate	Contacts N/O = Normally open	N/C = Normally closed	Contact sequence	Bezel: Silver		Bezel: black		Std. pack
				Part no. Article no.	Price see price list	Part no. Article no.	Price see price list	
Pushbutton actuators								
IP67, IP69K								
Flat								
maintained								
	●	–	1 N/C		C22-DR-S-K01 132493		C22S-DR-S-K01 121554	1 off  
	●	–	2 N/C		C22-DR-S-K02 132492		C22S-DR-S-K02 121553	
	●	1 N/O	1 N/C		C22-DR-S-K11 132491		C22S-DR-S-K11 121552	
	⊙	–	1 N/C		C22-DR-S-X0-K01 132481		C22S-DR-S-X0-K01 121542	
	⊙	–	2 N/C		C22-DR-S-X0-K02 132480		C22S-DR-S-X0-K02 121541	
	⊙	1 N/O	1 N/C		C22-DR-S-X0-K11 132479		C22S-DR-S-X0-K11 121540	
	○	1 N/O	–		C22-DR-W-K10 132487		C22S-DR-W-K10 121548	
	○	1 N/O	1 N/C		C22-DR-W-K11 132485		C22S-DR-W-K11 121546	
	○	2 N/O	–		C22-DR-W-K20 132486		C22S-DR-W-K20 121547	
	ⓘ	1 N/O	–		C22-DR-W-X1-K10 132475		C22S-DR-W-X1-K10 121536	
	ⓘ	1 N/O	1 N/C		C22-DR-W-X1-K11 132473		C22S-DR-W-X1-K11 121534	
	ⓘ	2 N/O	–		C22-DR-W-X1-K20 132474		C22S-DR-W-X1-K20 121535	
	Without button plate 1)	–	1 N/C		C22-DR-X-K01 132518		C22S-DR-X-K01 121579	
	Without button plate 1)	–	2 N/C		C22-DR-X-K02 132519		C22S-DR-X-K02 121580	
	Without button plate 1)	1 N/O	–		C22-DR-X-K10 132522		C22S-DR-X-K10 121583	
	Without button plate 1)	1 N/O	1 N/C		C22-DR-X-K11 132520		C22S-DR-X-K11 121581	
	Without button plate 1)	2 N/O	–		C22-DR-X-K20 132521		C22S-DR-X-K20 121582	

Notes

1) Button plates, see HPL0200-2010EN, Page 2/36

Information relevant for export to North America



Product Standards

UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
NKCR
165628
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

	Button plate	Contacts		Contact sequence	Bezel: Silver		Bezel: black		Std. pack
		N/O = Normally open	N/C = Normally closed		Part no. Article no.	Price see price list	Part no. Article no.	Price see price list	
Pushbutton actuators									
IP67, IP69K									
Extended									
momentary									
		1 N/O	–		C22-DH-G-K10 132455		C22S-DH-G-K10 121516		1 off
		1 N/O	1 N/C		C22-DH-G-K11 132453		C22S-DH-G-K11 121514		
		2 N/O	–		C22-DH-G-K20 132454		C22S-DH-G-K20 121515		
		1 N/O	–		C22-DH-G-X1-K10 132443		C22S-DH-G-X1-K10 121504		
		1 N/O	1 N/C		C22-DH-G-X1-K11 132441		C22S-DH-G-X1-K11 121502		
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		–	1 N/C		C22-DH-R-K01 132461		C22S-DH-R-K01 121522		
		–	2 N/C		C22-DH-R-K02 132460		C22S-DH-R-K02 121521		
		1 N/O	1 N/C		C22-DH-R-K11 132459		C22S-DH-R-K11 121520		
		–	1 N/C		C22-DH-R-X0-K01 132449		C22S-DH-R-X0-K01 121510		
		–	2 N/C		C22-DH-R-X0-K02 132448		C22S-DH-R-X0-K02 121509		
		1 N/O	1 N/C		C22-DH-R-X0-K11 132447		C22S-DH-R-X0-K11 121508		
		–	1 N/C		C22-DH-S-K01 132464		C22S-DH-S-K01 121525		
		–	2 N/C		C22-DH-S-K02 132463		C22S-DH-S-K02 121524		
		1 N/O	1 N/C		C22-DH-S-K11 132462		C22S-DH-S-K11 121523		
		–	1 N/C		C22-DH-S-X0-K01 132452		C22S-DH-S-X0-K01 121513		
		–	2 N/C		C22-DH-S-X0-K02 132451		C22S-DH-S-X0-K02 121512		
		1 N/O	1 N/C		C22-DH-S-X0-K11 132450		C22S-DH-S-X0-K11 121511		
		1 N/O	–		C22-DH-W-K10 132458		C22S-DH-W-K10 121519		
		1 N/O	1 N/C		C22-DH-W-K11 132456		C22S-DH-W-K11 121517		
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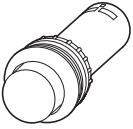








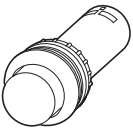






























Information relevant for export to North America



Product Standards

UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
NKCR
165628
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

				Bezel: Silver		Bezel: black		Std. pack
Button plate	Contacts N/O = Normally open	N/C = Normally closed	Contact sequence	Part no. Article no.	Price see price list	Part no. Article no.	Price see price list	
Pushbutton actuators								
IP67, IP69K								
Extended								
momentary								
		1 N/O	–		C22-DH-W-X1-K10 132446		C22S-DH-W-X1-K10 121507	1 off  
		1 N/O	1 N/C		C22-DH-W-X1-K11 132444		C22S-DH-W-X1-K11 121505	
		2 N/O	–		C22-DH-W-X1-K20 132445		C22S-DH-W-X1-K20 121506	
maintained								
		1 N/O	–		C22-DRH-G-K10 132508		C22S-DRH-G-K10 121569	
		1 N/O	1 N/C		C22-DRH-G-K11 132506		C22S-DRH-G-K11 121567	
		2 N/O	–		C22-DRH-G-K20 132507		C22S-DRH-G-K20 121568	
		1 N/O	–		C22-DRH-G-X1-K10 132496		C22S-DRH-G-X1-K10 121557	
		1 N/O	1 N/C		C22-DRH-G-X1-K11 132494		C22S-DRH-G-X1-K11 121555	
		2 N/O	–		C22-DRH-G-X1-K20 132495		C22S-DRH-G-X1-K20 121556	
		–	1 N/C		C22-DRH-R-K01 132514		C22S-DRH-R-K01 121575	
		–	2 N/C		C22-DRH-R-K02 132513		C22S-DRH-R-K02 121574	
		1 N/O	1 N/C		C22-DRH-R-K11 132512		C22S-DRH-R-K11 121573	
		–	1 N/C		C22-DRH-R-X0-K01 132502		C22S-DRH-R-X0-K01 121563	
		–	2 N/C		C22-DRH-R-X0-K02 132501		C22S-DRH-R-X0-K02 121562	
		1 N/O	1 N/C		C22-DRH-R-X0-K11 132500		C22S-DRH-R-X0-K11 121561	
		–	1 N/C		C22-DRH-S-K01 132517		C22S-DRH-S-K01 121578	
		–	2 N/C		C22-DRH-S-K02 132516		C22S-DRH-S-K02 121577	
		1 N/O	1 N/C		C22-DRH-S-K11 132515		C22S-DRH-S-K11 121576	

Information relevant for export to North America



Product Standards

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking

UL File No.

E29184

UL CCN

NKCR

CSA File No.

165628

CSA Class No.

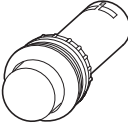



















3211-03

NA Certification

UL Listed, CSA certified

Degree of Protection

1,3R,4X,12,13

	Button plate	Contacts N/O = Normally open	N/C = Normally closed	Contact sequence	Bezel: Silver		Bezel: black		Std. pack
					Part no. Article no.	Price see price list	Part no. Article no.	Price see price list	
Pushbutton actuators									
IP67, IP69K									
Extended									
maintained									
		-	1 N/C		C22-DRH-S-X0-K01 132505		C22S-DRH-S-X0-K01 121566		1 off 
		-	2 N/C		C22-DRH-S-X0-K02 132504		C22S-DRH-S-X0-K02 121565		
		1 N/O	1 N/C		C22-DRH-S-X0-K11 132503		C22S-DRH-S-X0-K11 121564		
		1 N/O	-		C22-DRH-W-K10 132511		C22S-DRH-W-K10 121572		
		1 N/O	1 N/C		C22-DRH-W-K11 132509		C22S-DRH-W-K11 121570		
		2 N/O	-		C22-DRH-W-K20 132510		C22S-DRH-W-K20 121571		
		1 N/O	-		C22-DRH-W-X1-K10 132499		C22S-DRH-W-X1-K10 121560		
		1 N/O	1 N/C		C22-DRH-W-X1-K11 132497		C22S-DRH-W-X1-K11 121558		
		2 N/O	-		C22-DRH-W-X1-K20 132498		C22S-DRH-W-X1-K20 121559		

Information relevant for export to North America



Product Standards

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
NKCR
165628
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

UL File No.

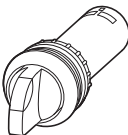







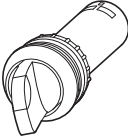





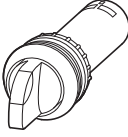







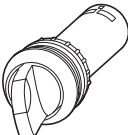





UL CCN

CSA File No.

CSA Class No.

NA Certification

Degree of Protection

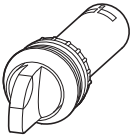
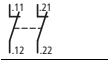


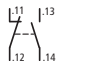
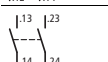
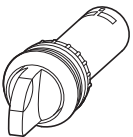
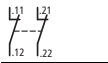
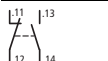
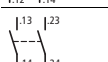
					Bezel: Silver		Bezel: black		Std. pack
Function:	Contacts	N/C =	Contact	Part no.	Price	Part no.	Price		
▷ = spring-return	N/O = Normally open	N/C = Normally closed	sequence	Article no.	see price list	Article no.	see price list		
∟ = stay-put									
Selector switch actuators									
IP65									
With thumb-grip									
Two positions									
momentary									
	▷ 40°	-	1 N/C		C22-WK-K01 132523		C22S-WK-K01 121584	1 off  	
	▷ 40°	-	2 N/C		C22-WK-K02 132524		C22S-WK-K02 121585		
	▷ 40°	1 N/O	-		C22-WK-K10 132527		C22S-WK-K10 121588		
	▷ 40°	1 N/O	1 N/C		C22-WK-K11 132525		C22S-WK-K11 121586		
	▷ 40°	2 N/O	-		C22-WK-K20 132526		C22S-WK-K20 121587		
	▷ 60°	-	1 N/C		C22-WKV-K01 132533		C22S-WKV-K01 121594		
	▷ 60°	-	2 N/C		C22-WKV-K02 132534		C22S-WKV-K02 121595		
	▷ 60°	1 N/O	-		C22-WKV-K10 132537		C22S-WKV-K10 121598		
	▷ 60°	1 N/O	1 N/C		C22-WKV-K11 132535		C22S-WKV-K11 121596		
	▷ 60°	2 N/O	-		C22-WKV-K20 132536		C22S-WKV-K20 121597		
maintained									
	∟ 60°	-	1 N/C		C22-WRK-K01 132528		C22S-WRK-K01 121589	1 off  	
	∟ 60°	-	2 N/C		C22-WRK-K02 132529		C22S-WRK-K02 121590		
	∟ 60°	1 N/O	-		C22-WRK-K10 132532		C22S-WRK-K10 121593		
	∟ 60°	1 N/O	1 N/C		C22-WRK-K11 132530		C22S-WRK-K11 121591		
	∟ 60°	2 N/O	-		C22-WRK-K20 132531		C22S-WRK-K20 121592		
	∟ 60°	-	1 N/C		C22-WRKV-K01 132538		C22S-WRKV-K01 121599		
	∟ 60°	-	2 N/C		C22-WRKV-K02 132539		C22S-WRKV-K02 121600		
	∟ 60°	1 N/O	-		C22-WRKV-K10 132542		C22S-WRKV-K10 121603		
	∟ 60°	1 N/O	1 N/C		C22-WRKV-K11 132540		C22S-WRKV-K11 121601		
	∟ 60°	2 N/O	-		C22-WRKV-K20 132541		C22S-WRKV-K20 121602		

Information relevant for export to North America



Product Standards
 UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
 E29184
 NKCR
 165628
 3211-03
 UL Listed, CSA certified
 1,3R,4X,12,13























				Bezel: Silver		Bezel: black		Std. pack	
Function:	Contacts	Contact sequence	Part no. Article no.	Price see price list	Part no. Article no.	Price see price list			
▷ = spring-return ▽ = stay-put	N/O = Normally open	N/C = Normally closed							
Selector switch actuators									
IP65 With thumb-grip 3 positions									
momentary									
	40° ▷ ▽ 40°	–	2 N/C		C22-WK3-K02 132543		C22S-WK3-K02 121604	1 off  	
	40° ▷ ▽ 40°	1 N/O	1 N/C		C22-WK3-K11 132544		C22S-WK3-K11 121605		
	40° ▷ ▽ 40°	2 N/O	–		C22-WK3-K20 132545		C22S-WK3-K20 121606		
maintained									
	60° ▽ ▽ 60°	–	2 N/C		C22-WRK3-K02 132546		C22S-WRK3-K02 121607		
	60° ▽ ▽ 60°	1 N/O	–		C22-WRK3-K11 132547		C22S-WRK3-K11 121608		
	60° ▽ ▽ 60°	2 N/O	–		C22-WRK3-K20 132548		C22S-WRK3-K20 121609		

Information relevant for export to North America



Product Standards
 UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
 E29184
 NKCR
 165628
 3211-03
 UL Listed, CSA certified
 1,3R,4X,12,13

						Bezel: Silver		Bezel: black		Std. pack
Function:	Key with-drawable in position	Lock mechanism	Contacts	Contact sequence	Part no. Article no.	Price see price list	Part no. Article no.	Price see price list		
▷ = spring-return ▽ = stay-put			N/O = Normally open	N/C = Normally closed						
Key-operated buttons										
IP66										
Not suitable for master key systems										
With 1 key										
Two positions										
momentary										
	▷ 40°	0	MS1	–	1 N/C		C22-WS-MS1-K01 132796	C22S-WS-MS1-K01 132801	1 off 	
	▷ 40°	0	MS1	–	2 N/C		C22-WS-MS1-K02 132797	C22S-WS-MS1-K02 132802		
	▷ 40°	0	MS1	1 N/O	–		C22-WS-MS1-K10 132799	C22S-WS-MS1-K10 132804		
	▷ 40°	0	MS1	1 N/O	1 N/C		C22-WS-MS1-K11 132798	C22S-WS-MS1-K11 132803		
	▷ 40°	0	MS1	2 N/O	–		C22-WS-MS1-K20 132800	C22S-WS-MS1-K20 132805		
	▷ 40°	0	MS2	–	1 N/C		C22-WS-MS2-K01 136714	C22S-WS-MS2-K01 136759		
	▷ 40°	0	MS2	–	2 N/C		C22-WS-MS2-K02 136715	C22S-WS-MS2-K02 136760		
	▷ 40°	0	MS2	1 N/O	–		C22-WS-MS2-K10 136716	C22S-WS-MS2-K10 136761		
	▷ 40°	0	MS2	1 N/O	1 N/C		C22-WS-MS2-K11 136717	C22S-WS-MS2-K11 136762		
	▷ 40°	0	MS2	2 N/O	–		C22-WS-MS2-K20 136718	C22S-WS-MS2-K20 136763		
	▷ 40°	0	MS3	–	1 N/C		C22-WS-MS3-K01 136719	C22S-WS-MS3-K01 136764		
	▷ 40°	0	MS3	–	2 N/C		C22-WS-MS3-K02 136720	C22S-WS-MS3-K02 136765		
	▷ 40°	0	MS3	1 N/O	–		C22-WS-MS3-K10 136721	C22S-WS-MS3-K10 136766		
	▷ 40°	0	MS3	1 N/O	1 N/C		C22-WS-MS3-K11 136722	C22S-WS-MS3-K11 136767		
	▷ 40°	0	MS3	2 N/O	–		C22-WS-MS3-K20 136723	C22S-WS-MS3-K20 136768		
	▷ 40°	0	MS4	–	1 N/C		C22-WS-MS4-K01 136724	C22S-WS-MS4-K01 136769		
▷ 40°	0	MS4	–	2 N/C		C22-WS-MS4-K02 136725	C22S-WS-MS4-K02 136770			
▷ 40°	0	MS4	1 N/O	–		C22-WS-MS4-K10 136726	C22S-WS-MS4-K10 136771			
▷ 40°	0	MS4	1 N/O	1 N/C		C22-WS-MS4-K11 136727	C22S-WS-MS4-K11 136772			
▷ 40°	0	MS4	2 N/O	–		C22-WS-MS4-K20 136728	C22S-WS-MS4-K20 136773			

Information relevant for export to North America



Product Standards
 UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
 E29184
 NKCR
 165628
 3211-03
 UL Listed, CSA certified
 1,3R,4X,12,13

Function:

▷ = spring-return
 ▽ = stay-put

Key with-drawable in position

Lock mechanism

Contacts
 N/O = Normally open

N/C = Normally closed
 Contact sequence

Bezel: Silver

Part no. Article no.

Price see price list

Bezel: black

Part no. Article no.

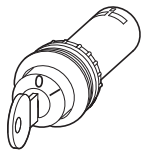
Price see price list

Std. pack

Key-operated buttons

IP66
 Not suitable for master key systems
 With 1 key

Two positions
 momentary



Function	Key	Lock	Contacts	Contact	Bezel: Silver	Bezel: black	Std. pack
▷ / ▽	with-drawable	mechanism	N/O / N/C	sequence	Part no. Article no.	Part no. Article no.	
▷ 40°	0	MS5	-	1 N/C	C22-WS-MS5-K01 136729	C22S-WS-MS5-K01 136774	1 off
▷ 40°	0	MS5	-	2 N/C	C22-WS-MS5-K02 136730	C22S-WS-MS5-K02 136775	
▷ 40°	0	MS5	1 N/O	-	C22-WS-MS5-K10 136731	C22S-WS-MS5-K10 136776	
▷ 40°	0	MS5	1 N/O	1 N/C	C22-WS-MS5-K11 136732	C22S-WS-MS5-K11 136777	
▷ 40°	0	MS5	2 N/O	-	C22-WS-MS5-K20 136733	C22S-WS-MS5-K20 136778	
▷ 40°	0	MS6	-	1 N/C	C22-WS-MS6-K01 136734	C22S-WS-MS6-K01 136779	
▷ 40°	0	MS6	-	2 N/C	C22-WS-MS6-K02 136735	C22S-WS-MS6-K02 136780	
▷ 40°	0	MS6	1 N/O	-	C22-WS-MS6-K10 136736	C22S-WS-MS6-K10 136781	
▷ 40°	0	MS6	1 N/O	1 N/C	C22-WS-MS6-K11 136737	C22S-WS-MS6-K11 136782	
▷ 40°	0	MS6	2 N/O	-	C22-WS-MS6-K20 136738	C22S-WS-MS6-K20 136783	
▷ 40°	0	MS7	-	1 N/C	C22-WS-MS7-K01 136739	C22S-WS-MS7-K01 136784	
▷ 40°	0	MS7	-	2 N/C	C22-WS-MS7-K02 136740	C22S-WS-MS7-K02 136785	
▷ 40°	0	MS7	1 N/O	-	C22-WS-MS7-K10 136741	C22S-WS-MS7-K10 136786	
▷ 40°	0	MS7	1 N/O	1 N/C	C22-WS-MS7-K11 136742	C22S-WS-MS7-K11 136787	
▷ 40°	0	MS7	2 N/O	-	C22-WS-MS7-K20 136743	C22S-WS-MS7-K20 136788	
▷ 40°	0	MS8	-	1 N/C	C22-WS-MS8-K01 136744	C22S-WS-MS8-K01 136789	
▷ 40°	0	MS8	-	2 N/C	C22-WS-MS8-K02 136745	C22S-WS-MS8-K02 136790	
▷ 40°	0	MS8	1 N/O	-	C22-WS-MS8-K10 136746	C22S-WS-MS8-K10 136791	
▷ 40°	0	MS8	1 N/O	1 N/C	C22-WS-MS8-K11 136747	C22S-WS-MS8-K11 136792	
▷ 40°	0	MS8	2 N/O	-	C22-WS-MS8-K20 136748	C22S-WS-MS8-K20 136793	

Information relevant for export to North America



Product Standards
 UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
 E29184
 NKCR
 165628
 3211-03
 UL Listed, CSA certified
 1,3R,4X,12,13

						Bezel: Silver		Bezel: black		Std. pack
Function:	Key with-drawable in position	Lock mechanism	Contacts	Contact sequence	Part no. Article no.	Price see price list	Part no. Article no.	Price see price list		
▷ = spring-return ▽ = stay-put			N/O = Normally open	N/C = Normally closed						
Key-operated buttons										
IP66										
Not suitable for master key systems										
With 1 key										
Two positions										
momentary										
	▷ 40°	0	MS9	–	1 N/C		C22-WS-MS9-K01 136749	C22S-WS-MS9-K01 136794	1 off 	
	▷ 40°	0	MS9	–	2 N/C		C22-WS-MS9-K02 136750	C22S-WS-MS9-K02 136795		
	▷ 40°	0	MS9	1 N/O	–		C22-WS-MS9-K10 136751	C22S-WS-MS9-K10 136796		
	▷ 40°	0	MS9	1 N/O	1 N/C		C22-WS-MS9-K11 136752	C22S-WS-MS9-K11 136797		
	▷ 40°	0	MS9	2 N/O	–		C22-WS-MS9-K20 136753	C22S-WS-MS9-K20 136798		
	▷ 40°	0	MS10	–	1 N/C		C22-WS-MS10-K01 136754	C22S-WS-MS10-K01 136799		
	▷ 40°	0	MS10	–	2 N/C		C22-WS-MS10-K02 136755	C22S-WS-MS10-K02 136800		
	▷ 40°	0	MS10	1 N/O	–		C22-WS-MS10-K10 136756	C22S-WS-MS10-K10 136801		
	▷ 40°	0	MS10	1 N/O	1 N/C		C22-WS-MS10-K11 136757	C22S-WS-MS10-K11 136802		
	▷ 40°	0	MS10	2 N/O	–		C22-WS-MS10-K20 136758	C22S-WS-MS10-K20 136803		
	▷ 40°	0	Ronis 455	–	1 N/C		C22-WS-RS-K01 132806	C22S-WS-RS-K01 132811		
	▷ 40°	0	Ronis 455	–	2 N/C		C22-WS-RS-K02 132807	C22S-WS-RS-K02 132812		
	▷ 40°	0	Ronis 455	1 N/O	–		C22-WS-RS-K10 132809	C22S-WS-RS-K10 132814		
	▷ 40°	0	Ronis 455	1 N/O	1 N/C		C22-WS-RS-K11 132808	C22S-WS-RS-K11 132813		
▷ 40°	0	Ronis 455	2 N/O	–		C22-WS-RS-K20 132810	C22S-WS-RS-K20 132815			
maintained										
	▽ 60°	0	MS1	–	1 N/C		C22-WRS-MS1-A1-K01 132870	C22S-WRS-MS1-A1-K01 132875		
	▽ 60°	0	MS1	–	2 N/C		C22-WRS-MS1-A1-K02 132871	C22S-WRS-MS1-A1-K02 132876		
	▽ 60°	0	MS1	1 N/O	–		C22-WRS-MS1-A1-K10 132873	C22S-WRS-MS1-A1-K10 132878		
	▽ 60°	0	MS1	1 N/O	1 N/C		C22-WRS-MS1-A1-K11 132872	C22S-WRS-MS1-A1-K11 132877		
	▽ 60°	0	MS1	2 N/O	–		C22-WRS-MS1-A1-K20 132874	C22S-WRS-MS1-A1-K20 132879		

Information relevant for export to North America



Product Standards
 UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
 E29184
 NKCR
 165628
 3211-03
 UL Listed, CSA certified
 1,3R,4X,12,13

Function:
 ▷ = spring-return
 ▽ = stay-put

Key with-drawable in position

Lock mechanism

Contacts
 N/O = Normally open

N/C = Normally closed

Contact sequence

Bezel: Silver

Part no. Article no.

Price see price list

Bezel: black

Part no. Article no.

Price see price list

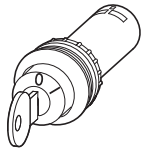
Std. pack

Key-operated buttons

IP66
 Not suitable for master key systems
 With 1 key

Two positions

momentary



Function	Key	Lock	Contacts	Contact	Part no.	Part no.
▷ = spring-return	with-drawable in position	mechanism	N/O = Normally open	N/C = Normally closed	Article no.	Article no.
▷ 60°	0	Ronis 455	-	1 N/C	C22-WRS-RS-A1-K01 132880	C22S-WRS-RS-A1-K01 132885
▷ 60°	0	Ronis 455	-	2 N/C	C22-WRS-RS-A1-K02 132881	C22S-WRS-RS-A1-K02 132886
▷ 60°	0	Ronis 455	1 N/O	-	C22-WRS-RS-A1-K10 132883	C22S-WRS-RS-A1-K10 132888
▷ 60°	0	Ronis 455	1 N/O	1 N/C	C22-WRS-RS-A1-K11 132882	C22S-WRS-RS-A1-K11 132887
▷ 60°	0	Ronis 455	2 N/O	-	C22-WRS-RS-A1-K20 132884	C22S-WRS-RS-A1-K20 132889
▷ 60°	0, I	MS1	-	1 N/C	C22-WRS-MS1-K01 132838	C22S-WRS-MS1-K01 132843
▷ 60°	0, I	MS1	-	2 N/C	C22-WRS-MS1-K02 132839	C22S-WRS-MS1-K02 132844
▷ 60°	0, I	MS1	1 N/O	-	C22-WRS-MS1-K10 132841	C22S-WRS-MS1-K10 132846
▷ 60°	0, I	MS1	1 N/O	1 N/C	C22-WRS-MS1-K11 132840	C22S-WRS-MS1-K11 132845
▷ 60°	0, I	MS1	2 N/O	-	C22-WRS-MS1-K20 132842	C22S-WRS-MS1-K20 132847
▷ 60°	0, I	MS2	-	1 N/C	C22-WRS-MS2-K01 136804	C22S-WRS-MS2-K01 136849
▷ 60°	0, I	MS2	-	2 N/C	C22-WRS-MS2-K02 136805	C22S-WRS-MS2-K02 136850
▷ 60°	0, I	MS2	1 N/O	-	C22-WRS-MS2-K10 136806	C22S-WRS-MS2-K10 136851
▷ 60°	0, I	MS2	1 N/O	1 N/C	C22-WRS-MS2-K11 136807	C22S-WRS-MS2-K11 136852
▷ 60°	0, I	MS2	2 N/O	-	C22-WRS-MS2-K20 136808	C22S-WRS-MS2-K20 136853
▷ 60°	0, I	MS3	-	1 N/C	C22-WRS-MS3-K01 136809	C22S-WRS-MS3-K01 136854
▷ 60°	0, I	MS3	-	2 N/C	C22-WRS-MS3-K02 136810	C22S-WRS-MS3-K02 136855
▷ 60°	0, I	MS3	1 N/O	-	C22-WRS-MS3-K10 136811	C22S-WRS-MS3-K10 136856
▷ 60°	0, I	MS3	1 N/O	1 N/C	C22-WRS-MS3-K11 136812	C22S-WRS-MS3-K11 136857
▷ 60°	0, I	MS3	2 N/O	-	C22-WRS-MS3-K20 136813	C22S-WRS-MS3-K20 136858

1 off

Information relevant for export to North America



Product Standards
 UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
 E29184
 NKCR
 165628
 3211-03
 UL Listed, CSA certified
 1,3R,4X,12,13

						Bezel: Silver		Bezel: black		Std. pack
Function:	Key with-drawable in position	Lock mechanism	Contacts N/O = Normally open	Contacts N/C = Normally closed	Contact sequence	Part no. Article no.	Price see price list	Part no. Article no.	Price see price list	
Key-operated buttons										
IP66 Not suitable for master key systems With 1 key										
Two positions										
momentary										
	60°	0, 1	MS4	–	1 N/C		C22-WRS-MS4-K01 136814		C22S-WRS-MS4-K01 136859	1 off
	60°	0, 1	MS4	–	2 N/C		C22-WRS-MS4-K02 136815		C22S-WRS-MS4-K02 136860	
	60°	0, 1	MS4	1 N/O	–		C22-WRS-MS4-K10 136816		C22S-WRS-MS4-K10 136861	
	60°	0, 1	MS4	1 N/O	1 N/C		C22-WRS-MS4-K11 136817		C22S-WRS-MS4-K11 136862	
	60°	0, 1	MS4	2 N/O	–		C22-WRS-MS4-K20 136818		C22S-WRS-MS4-K20 136863	
	60°	0, 1	MS5	–	1 N/C		C22-WRS-MS5-K01 136819		C22S-WRS-MS5-K01 136864	
	60°	0, 1	MS5	–	2 N/C		C22-WRS-MS5-K02 136820		C22S-WRS-MS5-K02 136865	
	60°	0, 1	MS5	1 N/O	–		C22-WRS-MS5-K10 136821		C22S-WRS-MS5-K10 136866	
	60°	0, 1	MS5	1 N/O	1 N/C		C22-WRS-MS5-K11 136822		C22S-WRS-MS5-K11 136867	
	60°	0, 1	MS5	2 N/O	–		C22-WRS-MS5-K20 136823		C22S-WRS-MS5-K20 136868	
	60°	0, 1	MS6	–	1 N/C		C22-WRS-MS6-K01 136824		C22S-WRS-MS6-K01 136869	
	60°	0, 1	MS6	–	2 N/C		C22-WRS-MS6-K02 136825		C22S-WRS-MS6-K02 136870	
	60°	0, 1	MS6	1 N/O	–		C22-WRS-MS6-K10 136826		C22S-WRS-MS6-K10 136871	
	60°	0, 1	MS6	1 N/O	1 N/C		C22-WRS-MS6-K11 136827		C22S-WRS-MS6-K11 136872	
	60°	0, 1	MS6	2 N/O	–		C22-WRS-MS6-K20 136828		C22S-WRS-MS6-K20 136873	
	60°	0, 1	MS7	–	1 N/C		C22-WRS-MS7-K01 136829		C22S-WRS-MS7-K01 136874	
	60°	0, 1	MS7	–	2 N/C		C22-WRS-MS7-K02 136830		C22S-WRS-MS7-K02 136875	
	60°	0, 1	MS7	1 N/O	–		C22-WRS-MS7-K10 136831		C22S-WRS-MS7-K10 136876	
60°	0, 1	MS7	1 N/O	1 N/C		C22-WRS-MS7-K11 136832		C22S-WRS-MS7-K11 136877		
60°	0, 1	MS7	2 N/O	–		C22-WRS-MS7-K20 136833		C22S-WRS-MS7-K20 136878		

Information relevant for export to North America



Product Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
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UL Listed, CSA certified
1,3R,4X,12,13

Function:
 ▷ = spring-return
 ▽ = stay-put

Key with-drawable in position

Lock mechanism

Contacts
 N/O = Normally open

N/C = Normally closed

Contact sequence

Bezel: Silver

Part no. Article no.

Price see price list

Bezel: black

Part no. Article no.

Price see price list

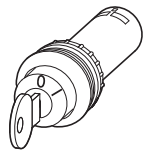
Std. pack

Key-operated buttons

IP66
 Not suitable for master key systems
 With 1 key

Two positions

momentary



Function	Key	Lock	Contacts	Contact	Part no.	Part no.
Symbol	Position	Mechanism	N/O = Normally open	N/C = Normally closed	Article no.	Article no.
▷ 60°	0, 1	MS8	-	1 N/C	C22-WRS-MS8-K01 136834	C22S-WRS-MS8-K01 136879
▷ 60°	0, 1	MS8	-	2 N/C	C22-WRS-MS8-K02 136835	C22S-WRS-MS8-K02 136880
▷ 60°	0, 1	MS8	1 N/O	-	C22-WRS-MS8-K10 136836	C22S-WRS-MS8-K10 136881
▷ 60°	0, 1	MS8	1 N/O	1 N/C	C22-WRS-MS8-K11 136837	C22S-WRS-MS8-K11 136882
▷ 60°	0, 1	MS8	2 N/O	-	C22-WRS-MS8-K20 136838	C22S-WRS-MS8-K20 136883
▷ 60°	0, 1	MS9	-	1 N/C	C22-WRS-MS9-K01 136839	C22S-WRS-MS9-K01 136884
▷ 60°	0, 1	MS9	-	2 N/C	C22-WRS-MS9-K02 136840	C22S-WRS-MS9-K02 136885
▷ 60°	0, 1	MS9	1 N/O	-	C22-WRS-MS9-K10 136841	C22S-WRS-MS9-K10 136886
▷ 60°	0, 1	MS9	1 N/O	1 N/C	C22-WRS-MS9-K11 136842	C22S-WRS-MS9-K11 136887
▷ 60°	0, 1	MS9	2 N/O	-	C22-WRS-MS9-K20 136843	C22S-WRS-MS9-K20 136888
▷ 60°	0, 1	MS10	-	1 N/C	C22-WRS-MS10-K01 136844	C22S-WRS-MS10-K01 136889
▷ 60°	0, 1	MS10	-	2 N/C	C22-WRS-MS10-K02 136845	C22S-WRS-MS10-K02 136890
▷ 60°	0, 1	MS10	1 N/O	-	C22-WRS-MS10-K10 136846	C22S-WRS-MS10-K10 136891
▷ 60°	0, 1	MS10	1 N/O	1 N/C	C22-WRS-MS10-K11 136847	C22S-WRS-MS10-K11 136892
▷ 60°	0, 1	MS10	2 N/O	-	C22-WRS-MS10-K20 136848	C22S-WRS-MS10-K20 136893
▷ 60°	0, 1	Ronis 455	-	1 N/C	C22-WRS-RS-K01 132848	C22S-WRS-RS-K01 132853
▷ 60°	0, 1	Ronis 455	-	2 N/C	C22-WRS-RS-K02 132849	C22S-WRS-RS-K02 132854
▷ 60°	0, 1	Ronis 455	1 N/O	-	C22-WRS-RS-K10 132851	C22S-WRS-RS-K10 132856
▷ 60°	0, 1	Ronis 455	1 N/O	1 N/C	C22-WRS-RS-K11 132850	C22S-WRS-RS-K11 132855
▷ 60°	0, 1	Ronis 455	2 N/O	-	C22-WRS-RS-K20 132852	C22S-WRS-RS-K20 132857

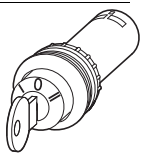







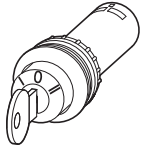







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Information relevant for export to North America



Product Standards
 UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
 E29184
 NKCR
 165628
 3211-03
 UL Listed, CSA certified
 1,3R,4X,12,13

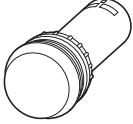













































						Bezel: Silver		Bezel: black		Std. pack
Function:	Key with-drawable in position	Lock mechanism	Contacts N/O = Normally open	N/C = Normally closed	Contact sequence	Part no. Article no.	Price see price list	Part no. Article no.	Price see price list	
Key-operated buttons										
IP66 Not suitable for master key systems With 1 key										
Three positions										
momentary										
	40° $\swarrow \searrow$ 40°	0	MS1	–	2 N/C		C22-WS3-MS1-K02 132816		C22S-WS3-MS1-K02 132819	1 off 
	40° $\swarrow \searrow$ 40°	0	MS1	1 N/O	1 N/C		C22-WS3-MS1-K11 132817		C22S-WS3-MS1-K11 132820	
	40° $\swarrow \searrow$ 40°	0	MS1	2 N/O	–		C22-WS3-MS1-K20 132818		C22S-WS3-MS1-K20 132821	
	40° $\swarrow \searrow$ 40°	0	Ronis 455	–	2 N/C		C22-WS3-RS-K02 132822		C22S-WS3-RS-K02 132825	
	40° $\swarrow \searrow$ 40°	0	Ronis 455	1 N/O	1 N/C		C22-WS3-RS-K11 132823		C22S-WS3-RS-K11 132826	
	40° $\swarrow \searrow$ 40°	0	Ronis 455	2 N/O	–		C22-WS3-RS-K20 132824		C22S-WS3-RS-K20 132827	
maintained										
	60° &xE107; 60°	0, I, II	MS1	–	2 N/C		C22-WRS3-MS1-K02 132858		C22S-WRS3-MS1-K02 132861	1 off 
	60° &xE107; 60°	0, I, II	MS1	1 N/O	1 N/C		C22-WRS3-MS1-K11 132859		C22S-WRS3-MS1-K11 132862	
	60° &xE107; 60°	0, I, II	MS1	2 N/O	–		C22-WRS3-MS1-K20 132860		C22S-WRS3-MS1-K20 132863	
	60° &xE107; 60°	0, I, II	Ronis 455	–	2 N/C		C22-WRS3-RS-K02 132864		C22S-WRS3-RS-K02 132867	
	60° &xE107; 60°	0, I, II	Ronis 455	1 N/O	1 N/C		C22-WRS3-RS-K11 132865		C22S-WRS3-RS-K11 132868	
	60° &xE107; 60°	0, I, II	Ronis 455	2 N/O	–		C22-WRS3-RS-K20 132866		C22S-WRS3-RS-K20 132869	

Information relevant for export to North America



Product Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
NKCR
165628
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

	Colour Lens	Colour LED	Rated operational voltage LED	Contact sequence	Part no. Article no.	Price see price list	Std. pack
Indicator lights							
IP67, IP69K							
Flat							
			24 V AC/DC		C22-L-B-24 121630		1 off  
			120 V AC		C22-L-B-120 121639		
			230 V AC		C22-L-B-230 121648		
	Without lens ¹⁾		24 V AC/DC		C22-L-XB-24 121634		
	Without lens ¹⁾		120 V AC		C22-L-XB-120 121643		
	Without lens ¹⁾		230 V AC		C22-L-XB-230 121652		
			24 V AC/DC		C22-L-G-24 121628		
			120 V AC		C22-L-G-120 121637		
			230 V AC		C22-L-G-230 121646		
	Without lens ¹⁾		24 V AC/DC		C22-L-XG-24 121633		
	Without lens ¹⁾		120 V AC		C22-L-XG-120 121642		
	Without lens ¹⁾		230 V AC		C22-L-XG-230 121651		
			24 V AC/DC		C22-L-R-24 121627		
			120 V AC		C22-L-R-120 121636		
			230 V AC		C22-L-R-230 121645		
	Without lens ¹⁾		24 V AC/DC		C22-L-XR-24 121632		
	Without lens ¹⁾		120 V AC		C22-L-XR-120 121641		
	Without lens ¹⁾		230 V AC		C22-L-XR-230 121650		
			24 V AC/DC		C22-L-W-24 121626		
			120 V AC		C22-L-W-120 121635		
			230 V AC		C22-L-W-230 121644		
			24 V AC/DC		C22-L-Y-24 121629		
			120 V AC		C22-L-Y-120 121638		
			230 V AC		C22-L-Y-230 121647		
	Without lens ¹⁾		24 V AC/DC		C22-L-XW-24 121631		
	Without lens ¹⁾		120 V AC		C22-L-XW-120 121640		
	Without lens ¹⁾		230 V AC		C22-L-XW-230 121649		



































Notes

¹⁾ Lenses, see HPL0200-2010EN, Page 2/40

Information relevant for export to North America



Product Standards	IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
UL File No.	E29184
UL CCN	NKCR
CSA File No.	165628
CSA Class No.	3211-03
NA Certification	UL Listed, CSA certified
Degree of Protection	1,3R,4X,12,13

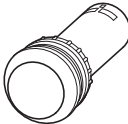




















































	Colour Lens	Colour LED	Rated operational voltage LED	Contact sequence	Part no. Article no.	Price see price list	Std. pack
Indicator lights							
IP67, IP69K							
Extended							
			24 V AC/DC		C22-LH-B-24 121657		1 off  
			120 V AC		C22-LH-B-120 121662		
			230 V AC		C22-LH-B-230 121667		
			24 V AC/DC		C22-LH-G-24 121655		
			120 V AC		C22-LH-G-120 121660		
			230 V AC		C22-LH-G-230 121665		
			24 V AC/DC		C22-LH-R-24 121654		
			120 V AC		C22-LH-R-120 121659		
			230 V AC		C22-LH-R-230 121664		
			24 V AC/DC		C22-LH-W-24 121653		
			120 V AC		C22-LH-W-120 121658		
			230 V AC		C22-LH-W-230 121663		
			24 V AC/DC		C22-LH-Y-24 121656		
			120 V AC		C22-LH-Y-120 121661		
			230 V AC		C22-LH-Y-230 121666		

Information relevant for export to North America



Product Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
NKCR
165628
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

Colour Button plate	Colour LED	Rated operational voltage LED	Contacts N/O = Normally open	N/C = Normally closed	Contact sequence	Bezel: Silver		Bezel: black		Std. pack	
						Part no. Article no.	Price see price list	Part no. Article no.	Price see price list		
Illuminated pushbuttons											
IP67, IP69K											
Flat											
momentary											
			24 V AC/DC	1 N/O	–		C22-DL-B-K10-24 136620	C22S-DL-B-K10-24 136632	1 off  		
			120 V AC	1 N/O	–		C22-DL-B-K10-120 136618	C22S-DL-B-K10-120 136630			
			230 V AC	1 N/O	–		C22-DL-B-K10-230 136619	C22S-DL-B-K10-230 136631			
	Without button plate ¹⁾			24 V AC/DC	1 N/O		–	C22-DL-XB-K10-24 132570		C22S-DL-XB-K10-24 121689	
				120 V AC	1 N/O		–	C22-DL-XB-K10-120 132574		C22S-DL-XB-K10-120 121693	
				230 V AC	1 N/O		–	C22-DL-XB-K10-230 132578		C22S-DL-XB-K10-230 121697	
			24 V AC/DC	1 N/O	–		C22-DL-G-K10-24 136623	C22S-DL-G-K10-24 136635			
				120 V AC	1 N/O		–	C22-DL-G-K10-120 136621		C22S-DL-G-K10-120 136633	
				230 V AC	1 N/O		–	C22-DL-G-K10-230 136622		C22S-DL-G-K10-230 136634	
			24 V AC/DC	1 N/O	–		C22-DL-G-X1-K10-24 132549	C22S-DL-G-X1-K10-24 121668			
				120 V AC	1 N/O		–	C22-DL-G-X1-K10-120 132552		C22S-DL-G-X1-K10-120 121671	
				230 V AC	1 N/O		–	C22-DL-G-X1-K10-230 132555		C22S-DL-G-X1-K10-230 121674	
	Without button plate ¹⁾			24 V AC/DC	1 N/O		–	C22-DL-XG-K10-24 132569		C22S-DL-XG-K10-24 121688	
				120 V AC	1 N/O		–	C22-DL-XG-K10-120 132573		C22S-DL-XG-K10-120 121692	
				230 V AC	1 N/O		–	C22-DL-XG-K10-230 132577		C22S-DL-XG-K10-230 121696	
			24 V AC/DC	–	1 N/C			C22-DL-R-K01-24 136626		C22S-DL-R-K01-24 136638	
				120 V AC	–			1 N/C		C22-DL-R-K01-120 136624	C22S-DL-R-K01-120 136636
				230 V AC	–			1 N/C		C22-DL-R-K01-230 136625	C22S-DL-R-K01-230 136637
		24 V AC/DC	–	1 N/C	C22-DL-R-X0-K01-24 132551	C22S-DL-R-X0-K01-24 121670					
			120 V AC	–	1 N/C	C22-DL-R-X0-K01-120 132554		C22S-DL-R-X0-K01-120 121673			
			230 V AC	–	1 N/C	C22-DL-R-X0-K01-230 132557		C22S-DL-R-X0-K01-230 121676			
Without button plate ¹⁾			24 V AC/DC	–	1 N/C	C22-DL-XR-K01-24 132568		C22S-DL-XR-K01-24 121687			
			120 V AC	–	1 N/C	C22-DL-XR-K01-120 132572		C22S-DL-XR-K01-120 121691			
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Notes

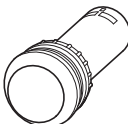





















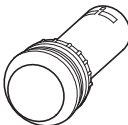








































¹⁾ Button plates, see HPL0200-2010EN, Page 2/42

Information relevant for export to North America



Product Standards	IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
UL File No.	E29184
UL CCN	NKCR
CSA File No.	165628
CSA Class No.	3211-03
NA Certification	UL Listed, CSA certified
Degree of Protection	1,3R,4X,12,13

Illuminated pushbuttons
C22-D(R)L..., C22S-D(R)L...

Colour Button plate	Colour LED	Rated operational voltage LED	Contacts N/O = Normally open N/C = Normally closed	Contact sequence	Bezel: Silver Part no. Article no.	Price see price list	Bezel: black Part no. Article no.	Price see price list	Std. pack		
Illuminated pushbuttons											
IP67, IP69K											
Flat											
momentary											
			24 V AC/DC	1 N/O	–		C22-DL-W-K10-24 136629	C22S-DL-W-K10-24 136641	1 off  		
			120 V AC	1 N/O	–		C22-DL-W-K10-120 136627	C22S-DL-W-K10-120 136639			
			230 V AC	1 N/O	–		C22-DL-W-K10-230 136628	C22S-DL-W-K10-230 136640			
			24 V AC/DC	1 N/O	–		C22-DL-W-X1-K10-24 132550	C22S-DL-W-X1-K10-24 121669			
			120 V AC	1 N/O	–		C22-DL-W-X1-K10-120 132553	C22S-DL-W-X1-K10-120 121672			
			230 V AC	1 N/O	–		C22-DL-W-X1-K10-230 132556	C22S-DL-W-X1-K10-230 121675			
	Without button plate ¹⁾			24 V AC/DC	1 N/O		–	C22-DL-XW-K10-24 132567		C22S-DL-XW-K10-24 121686	
				120 V AC	1 N/O		–	C22-DL-XW-K10-120 132571		C22S-DL-XW-K10-120 121690	
				230 V AC	1 N/O		–	C22-DL-XW-K10-230 132575		C22S-DL-XW-K10-230 121694	
	maintained										
			24 V AC/DC	1 N/O	–		C22-DRL-B-K10-24 136668	C22S-DRL-B-K10-24 136680	1 off  		
			120 V AC	1 N/O	–		C22-DRL-B-K10-120 136666	C22S-DRL-B-K10-120 136678			
			230 V AC	1 N/O	–		C22-DRL-B-K10-230 136667	C22S-DRL-B-K10-230 136679			
	Without button plate ¹⁾			24 V AC/DC	1 N/O		–	C22-DRL-XB-K10-24 132582		C22S-DRL-XB-K10-24 121701	
				120 V AC	1 N/O		–	C22-DRL-XB-K10-120 132586		C22S-DRL-XB-K10-120 121705	
				230 V AC	1 N/O		–	C22-DRL-XB-K10-230 132590		C22S-DRL-XB-K10-230 121709	
			24 V AC/DC	1 N/O	–		C22-DRL-G-K10-24 136671	C22S-DRL-G-K10-24 136683			
			120 V AC	1 N/O	–		C22-DRL-G-K10-120 136669	C22S-DRL-G-K10-120 136681			
			230 V AC	1 N/O	–		C22-DRL-G-K10-230 136670	C22S-DRL-G-K10-230 136682			
	Without button plate ¹⁾			24 V AC/DC	1 N/O		–	C22-DRL-XG-K10-24 132581		C22S-DRL-XG-K10-24 121700	
				120 V AC	1 N/O		–	C22-DRL-XG-K10-120 132585		C22S-DRL-XG-K10-120 121704	
				230 V AC	1 N/O		–	C22-DRL-XG-K10-230 132589		C22S-DRL-XG-K10-230 121708	
			24 V AC/DC	–	1 N/C			C22-DRL-R-K01-24 136674		C22S-DRL-R-K01-24 136686	
			120 V AC	–	1 N/C			C22-DRL-R-K01-120 136672		C22S-DRL-R-K01-120 136684	
			230 V AC	–	1 N/C			C22-DRL-R-K01-230 136673		C22S-DRL-R-K01-230 136685	
	Without button plate ¹⁾			24 V AC/DC	–			1 N/C		C22-DRL-XR-K01-24 132580	C22S-DRL-XR-K01-24 121699
				120 V AC	–			1 N/C		C22-DRL-XR-K01-120 132584	C22S-DRL-XR-K01-120 121703
				230 V AC	–			1 N/C		C22-DRL-XR-K01-230 132588	C22S-DRL-XR-K01-230 121707

Notes ¹⁾ Button plates, see HPL0200-2010EN, Page 2/42

Information relevant for export to North America



Product Standards	IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
UL File No.	E29184
UL CCN	NKCR
CSA File No.	165628
CSA Class No.	3211-03
NA Certification	UL Listed, CSA certified
Degree of Protection	1,3R,4X,12,13

Colour Button plate	Colour LED	Rated operational voltage LED	Contacts N/O = Normally open	N/C = Normally closed	Contact sequence	Bezel: Silver		Bezel: black		Std. pack	
						Part no. Article no.	Price see price list	Part no. Article no.	Price see price list		
Illuminated pushbuttons											
IP67, IP69K											
Flat											
maintained											
			24 V AC/DC	1 N/O	–		C22-DRL-W-K10-24 136677		C22S-DRL-W-K10-24 136689	1 off 	
			120 V AC	1 N/O	–		C22-DRL-W-K10-120 136675		C22S-DRL-W-K10-120 136687		
			230 V AC	1 N/O	–		C22-DRL-W-K10-230 136676		C22S-DRL-W-K10-230 136688		
	Without button plate ¹⁾			24 V AC/DC	1 N/O		–	C22-DRL-XW-K10-24 132579			C22S-DRL-XW-K10-24 121698
				120 V AC	1 N/O		–	C22-DRL-XW-K10-120 132583			C22S-DRL-XW-K10-120 121702
				230 V AC	1 N/O		–	C22-DRL-XW-K10-230 132587			C22S-DRL-XW-K10-230 121706
Extended											
momentary											
			24 V AC/DC	1 N/O	–		C22-DLH-B-K10-24 136644		C22S-DLH-B-K10-24 136656	1 off 	
			120 V AC	1 N/O	–		C22-DLH-B-K10-120 136642		C22S-DLH-B-K10-120 136654		
			230 V AC	1 N/O	–		C22-DLH-B-K10-230 136643		C22S-DLH-B-K10-230 136655		
			24 V AC/DC	1 N/O	–		C22-DLH-G-K10-24 136647		C22S-DLH-G-K10-24 136659		
			120 V AC	1 N/O	–		C22-DLH-G-K10-120 136645		C22S-DLH-G-K10-120 136657		
			230 V AC	1 N/O	–		C22-DLH-G-K10-230 136646		C22S-DLH-G-K10-230 136658		
			24 V AC/DC	1 N/O	–		C22-DLH-G-X1-K10-24 132558		C22S-DLH-G-X1-K10-230 121683		
			120 V AC	1 N/O	–		C22-DLH-G-X1-K10-120 132561		C22S-DLH-G-X1-K10-120 121680		
			230 V AC	1 N/O	–		C22-DLH-G-X1-K10-230 132564		C22S-DLH-G-X1-K10-24 121677		
			24 V AC/DC	–	1 N/C		C22-DLH-R-K01-24 136650		C22S-DLH-R-K01-24 136662		
			120 V AC	–	1 N/C		C22-DLH-R-K01-120 136648		C22S-DLH-R-K01-120 136660		
			230 V AC	–	1 N/C		C22-DLH-R-K01-230 136649		C22S-DLH-R-K01-230 136661		
		24 V AC/DC	–	1 N/C		C22-DLH-R-X0-K01-24 132560		C22S-DLH-R-X0-K01-24 121679			
		120 V AC	–	1 N/C		C22-DLH-R-X0-K01-120 132563		C22S-DLH-R-X0-K01-120 121682			
		230 V AC	–	1 N/C		C22-DLH-R-X0-K01-230 132566		C22S-DLH-R-X0-K01-230 121685			
		24 V AC/DC	1 N/O	–		C22-DLH-W-K10-24 136653		C22S-DLH-W-K10-24 136665			
		120 V AC	1 N/O	–		C22-DLH-W-K10-120 136651		C22S-DLH-W-K10-120 136663			
		230 V AC	1 N/O	–		C22-DLH-W-K10-230 136652		C22S-DLH-W-K10-230 136664			

Notes

¹⁾ Button plates, see HPL0200-2010EN, Page 2/42

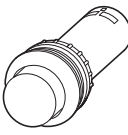









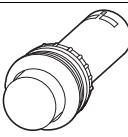






























Information relevant for export to North America



Product Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
NKCR
165628
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

Illuminated pushbuttons
C22-D(R)L..., C22S-D(R)L...

Colour Button plate	Colour LED	Rated operational voltage LED	Contacts N/O = Normally open N/C = Normally closed	Contact sequence	Bezel: Silver Part no. Article no.	Price see price list	Bezel: black Part no. Article no.	Price see price list	Std. pack
Illuminated pushbuttons									
IP67, IP69K									
Extended									
momentary									
			24 V AC/DC	1 N/O	–		C22-DLH-W-X1-K10-24 132559	C22S-DLH-W-X1-K10-24 121678	1 off  
			120 V AC	1 N/O	–		C22-DLH-W-X1-K10-120 132562	C22S-DLH-W-X1-K10-120 121681	
			230 V AC	1 N/O	–		C22-DLH-W-X1-K10-230 132565	C22S-DLH-W-X1-K10-230 121684	
maintained									
			24 V AC/DC	1 N/O	–		C22-DRLH-B-K10-230 136691	C22S-DRLH-B-K10-24 136704	1 off  
			120 V AC	1 N/O	–		C22-DRLH-B-K10-120 136690	C22S-DRLH-B-K10-120 136702	
			230 V AC	1 N/O	–		C22-DRLH-B-K10-24 136692	C22S-DRLH-B-K10-230 136703	
			24 V AC/DC	1 N/O	–		C22-DRLH-G-K10-24 136695	C22S-DRLH-G-K10-24 136707	
			120 V AC	1 N/O	–		C22-DRLH-G-K10-120 136693	C22S-DRLH-G-K10-120 136705	
			230 V AC	1 N/O	–		C22-DRLH-G-K10-230 136694	C22S-DRLH-G-K10-230 136706	
			24 V AC/DC	–	1 N/C		C22-DRLH-R-K01-24 136698	C22S-DRLH-R-K01-24 136710	
			120 V AC	–	1 N/C		C22-DRLH-R-K01-120 136696	C22S-DRLH-R-K01-120 136708	
			230 V AC	–	1 N/C		C22-DRLH-R-K01-230 136697	C22S-DRLH-R-K01-230 136709	
		24 V AC/DC	1 N/O	–		C22-DRLH-W-K10-24 136701	C22S-DRLH-W-K10-24 136713		
		120 V AC	1 N/O	–		C22-DRLH-W-K10-120 136699	C22S-DRLH-W-K10-120 136711		
		230 V AC	1 N/O	–		C22-DRLH-W-K10-230 136700	C22S-DRLH-W-K10-230 136712		

Information relevant for export to North America



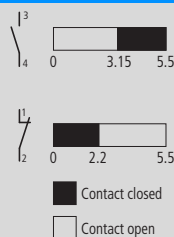
Product Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection

IEC/EN 60947-5; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
E29184
NKCR
165628
3211-03
UL Listed, CSA certified
1,3R,4X,12,13

Technical data

			Push-button actuators Illuminated pushbuttons C22		Indicator lights C22	Selector switch actuators C22	Key-operated buttons C22	Emergency stop/ emergency switching off pushbuttons C22
			momentary	maintained				
General								
Standards			IEC/EN 60947 VDE 0660					
Lifespan, mechanical	Operations	x 10 ⁶	5	1	–	1	0,1	0,05
Operating frequency	Operations/h		≤3600	≤3600	–	≤2000	≤100	≤300
Actuating force		N	≤5	≤5	–	–	–	≤50
Operating torque		Nm	–	–	–	≤0,3	≤0,5	–
Terminal screw tightening torque		Nm	0,8	0,8	0,8	0,8	0,8	0,8
Threaded ring tightening torque		Nm	2	2	2	2	2	2
Protection type			IP67, IP69K		IP67, IP69K	IP65	IP66	IP67, IP69K
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30					
Ambient temperature								
Open		°C	-25 - +70	-25 - +70	-25 - +70	-25 - +70	-25 - +70	-25 - +70
Storage		°C	-30 - +80	-30 - +80	-30 - +80	-30 - +80	-30 - +80	-30 - +80
Mounting position			As required	As required	As required	As required	As required	As required
Mechanical shock resistance to IEC 60068-2-27			g					
Shock duration 11 ms, half-sinusoidal			30	30	30	30	30	30
Terminal capacities								
Solid		mm ²	2 x 0.5 - 1.5	2 x 0.5 - 1.5	2 x 0.5 - 1.5	2 x 0.5 - 1.5	2 x 0.5 - 1.5	2 x 0.5 - 1.5
Flexible with ferrule		mm ²	2 x 0.5 - 1.5	2 x 0.5 - 1.5	2 x 0.5 - 1.5	2 x 0.5 - 1.5	2 x 0.5 - 1.5	2 x 0.5 - 1.5
Contacts								
Rated impulse withstand voltage			U _{imp} V AC					
			4000	4000	4000	4000	4000	4000
Rated insulation voltage			U _i V					
			250	250	250	250	250	250
Overvoltage category/pollution degree			III/3					
Control circuit reliability								
at 5 V DC/1 mA	H _F	Fault probability	values follow	values follow	–	values follow	values follow	values follow
At 17 V DC/7 mA	H _F	Fault probability	N/O contact: statistically determined 1 failure per 17 × 10 ⁶ operations N/C contact: statistically determined 1 failure per 0.9 × 10 ⁶ Operations		–	N/O contact: statistically determined 1 failure per 17 × 10 ⁶ operations N/C contact: statistically determined 1 failure per 0.9 × 10 ⁶ Operations		
at 24 V DC/5 mA	H _F	Fault probability	values follow	values follow	–	values follow	values follow	values follow
Max. short-circuit protective device								
Fuse	gG/gL	A	10	10	–	10	10	10
Switching capacity								
Rated operational current								
AC-15								
24 V	I _e	A	4	4	–	4	4	4
110 V	I _e	A	2	2	–	2	2	2
230 V	I _e	A	1,5	1,5	–	1,5	1,5	1,5
DC-13								
24 V	I _e	A	3	3	–	3	3	3
60 V	I _e	A	1	1	–	1	1	1
110 V	I _e	A	0,6	0,6	–	0,6	0,6	0,6
220 V	I _e	A	0,3	0,3	–	0,3	0,3	0,3
Lifespan, electrical								
AC-15								
230 V/0.5 A	Operations	x 10 ⁶	0,4	0,4	–	0,4	0,4	0,4
230 V/1.0 A	Operations	x 10 ⁶	0,6	0,6	–	0,6	0,6	0,6

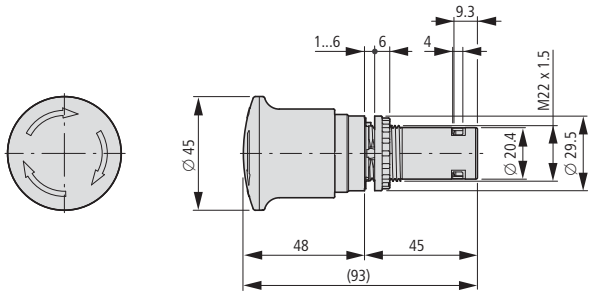
Contact travel diagram



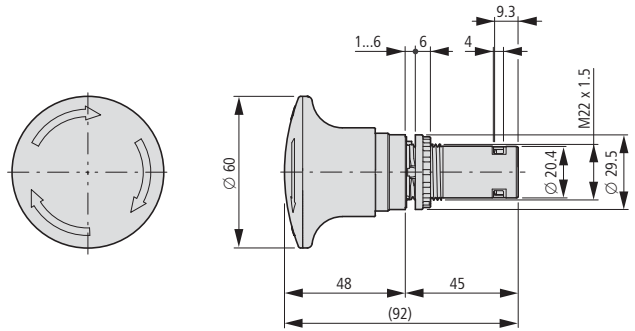
Dimensions

Emergency stop/emergency switching off pushbuttons

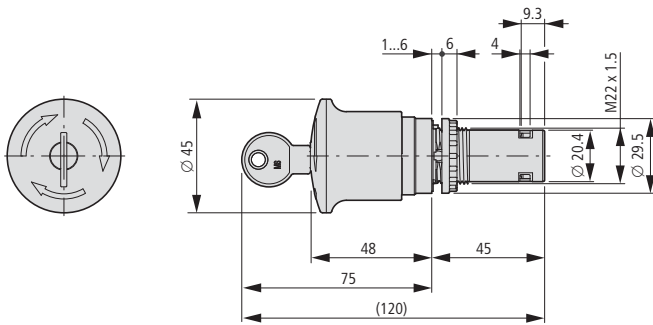
C22-PVT45P...



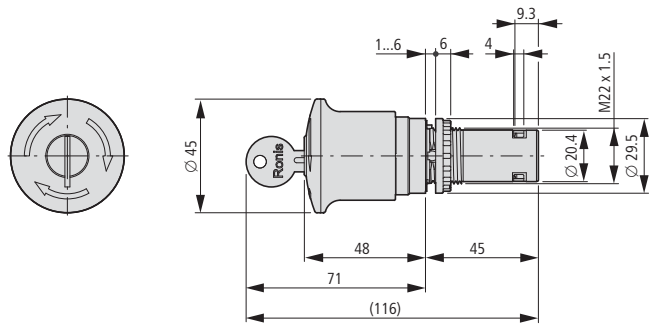
C22-PVT60P...



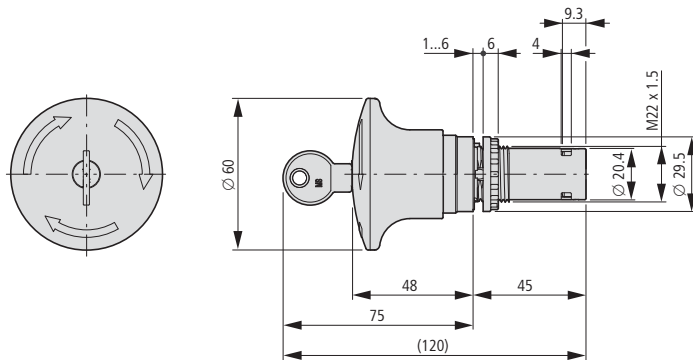
C22-PVT45P-MS...



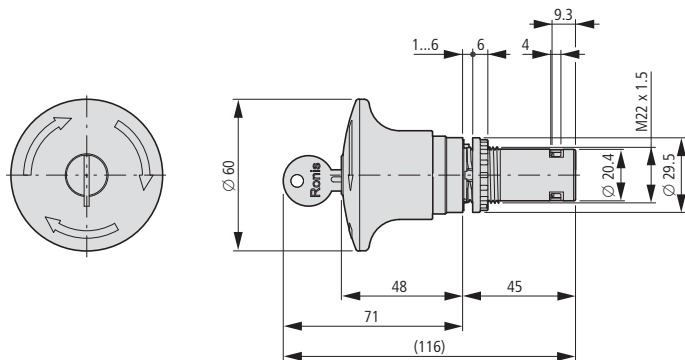
C22-PVT45P-RS...



C22-PVT60P-MS...

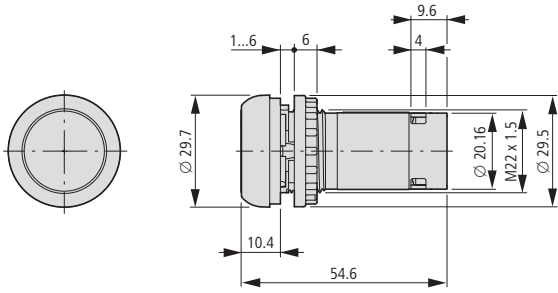


C22-PVT60P-RS...

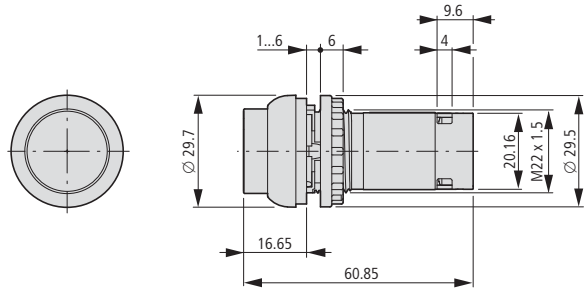


Push-button actuators

Flat
C22(S)-DR...
C22(S)-D...

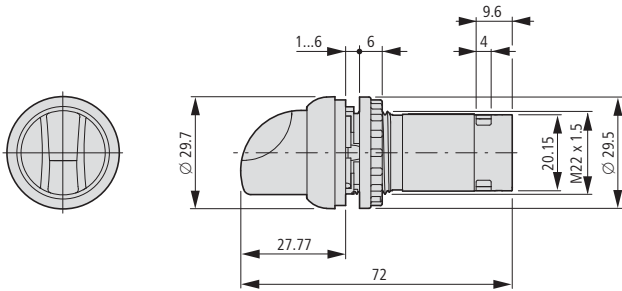


Extended
C22(S)-DRH...
C22(S)-DH...



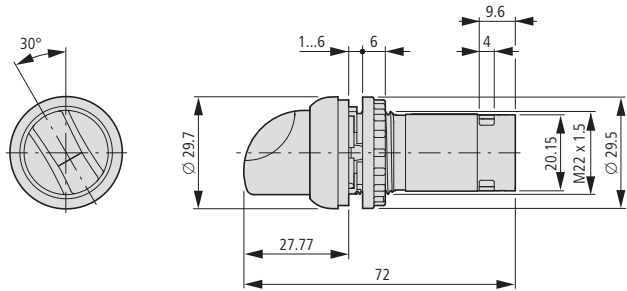
Selector switch actuators

C22(S)-W(R)K...



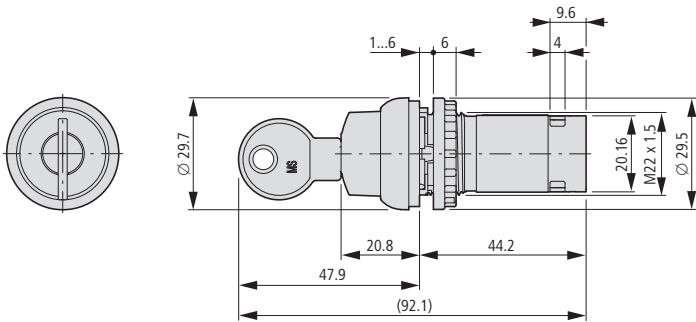
Selector switch actuators, V position

C22(S)-W(R)KV...

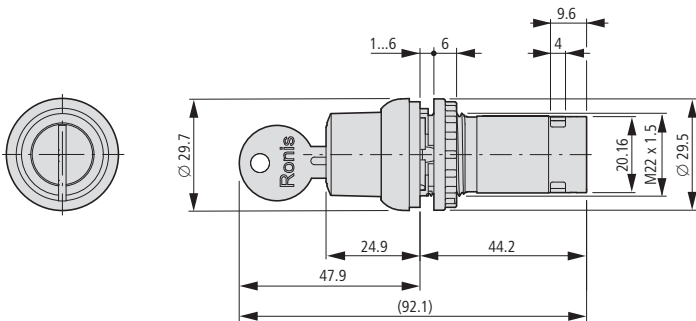


Key-operated actuators

C22(S)-WS(3)-MS...
C22(S)-WRS(3)-MS...

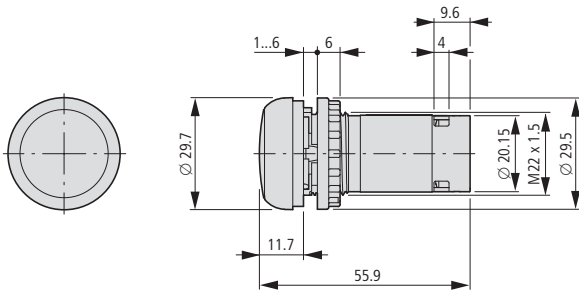


C22(S)-WRS(3)-RS...
C22(S)-WS(3)-RS...

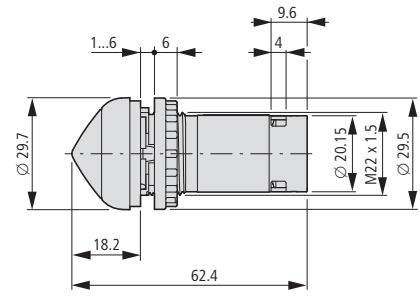


Indicator lights

Flat
C22-L...

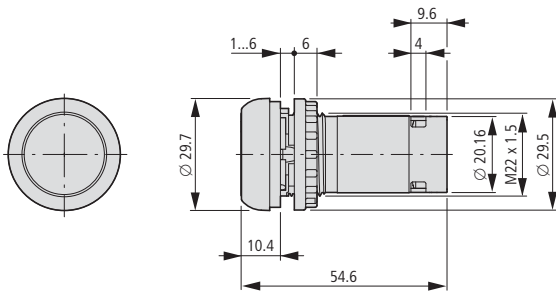


Extended
C22-LH...

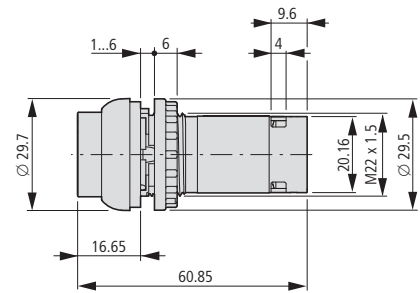


Illuminated pushbuttons

Flat
C22(S)-DRL...
C22(S)-DL...



Extended
C22(S)-DRLH...
C22(S)-DLH...



UAE

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