

**Part no.** C22-PVS45P-MS1-K02  
**Article no.** 121619  
**Catalog No.** C22-PVS45P-MS1-K02

**Delivery programme**

Description			Lock mechanism MS1
Colour			Red mushroom head (RAL 3000)
Function			Key operation lock mechanism
Contacts			
N/C = Normally closed			2 NC
Notes			= safety function, by positive opening to IEC/EN 60947-5-1
Contact sequence			
Protection type			IP67, IP69K
Illumination			Without illumination
Information about equipment supplied			1 key included as standard
Diameter		mm	45
Contact travel  = Contact closed  = Contact open			
Contact diagram			

**Approvals**

Product Standards

UL File No.  
 UL Category Control No.  
 CSA File No.  
 CSA Class No.  
 North America 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  
 E340495  
 NISD  
 2351467 (LR12528)  
 3211-07  
 UL listed, CSA certified  
 1,3R,4X,12,13

**General**

Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.05
Operating frequency	Operations/h		300
Actuating force	n		50
Tightening torque for terminal screw		Nm	0.8
Tightening torque Threaded ring		Nm	2
Protection type			IP67, IP69K
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	-25 - +70
Storage	g	°C	-30 - +80
Mounting position			As required
Mechanical shock resistance, shock duration 11 ms		g	30
Terminal capacities		mm <sup>2</sup>	

Solid		mm <sup>2</sup>	2 x 0.5 - 1.5
Flexible with ferrule		mm <sup>2</sup>	2 x 0.5 - 1.5

### Contacts

Rated impulse withstand voltage	$U_{imp}$	V AC	4000
Rated insulation voltage	$U_i$	V	250
Overvoltage category/pollution degree			III/3
Control circuit reliability			
At 17 V DC/7 mA	$H_F$	Fault probability	N/C contact: statistically determined 1 failure per $0.9 \times 10^6$ Operations
Max. short-circuit protective device			
Fuse	gG/gL	A	10

### Switching capacity

Rated operational current	$I_e$	A	
AC-15			
24 V	$I_e$	A	4
110 V	$I_e$	A	2
220 V 230 V 240 V	$I_e$	A	1.5
DC-13			
24 V	$I_e$	A	3
60 V	$I_e$	A	1
110 V	$I_e$	A	0.6
220 V	$I_e$	A	0.3
Lifespan, electrical			
AC-15			
230 V/0.5 A	Operations	$\times 10^6$	0.4
230 V/1.0 A	Operations	$\times 10^6$	0.6

### Dimensions

