Product news

Pilot Devices
Compact heavy duty pushbutton

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ABB Pilot devices strengthens its product offering towards vehicles and heavy industry by introducing the 22mm Compact heavy duty pushbutton. The product enters the market with the highest ratings and protection in our offering. With its enforced rubber sealing protecting the inside, this product is suitable in areas where regular pushbuttons are not enough.

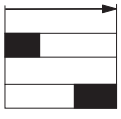






Description	Type	Order code		Pkg qty	Weight (1pce) Kg
Contacts included 2NO					
Green	CP6-10G-20	1SFA619105R1022		1x10	0.031
Red	CP6-10R-20	1SFA619105R1021		1x10	0.031
Black	CP6-10B-20	1SFA619105R1026		1x10	0.031
Contacts included 2NC					
Green	CP6-10G-02	1SFA619105R1052		1x10	0.031
Red	CP6-10R-02	1SFA619105R1051		1x10	0.031
Black	CP6-10B-02	1SFA619105R1056		1x10	0.031
Contacts included 1NO+1NC					
Green	CP6-10G-11	1SFA619105R1072		1x10	0.031
Red	CP6-10R-11	1SFA619105R1071		1x10	0.031
Black	CP6-10B-11	1SFA619105R1076		1x10	0.031

Technical data Compact heavy duty pushbutton

Standards and Approvals			
IEC / EN 60947-1	Low-Voltage switchgear and controlgear - Part 1: General rules		
IEC / EN 60947-5-1	Low-Voltage Switchgear and Controlgear - Part 5-1: Control circuit devices and switching elements - Electro-mechanical control circuit devices		
IEC / EN 60073	Basic and safety principles for man-machine interface, marking and identification - Coding principles for indicators and actuators		
IEC / EN 60529	Degrees of protection provided by enclosures (IP Code)		
EN 50013	Low-Voltage switchgear and controlgear for industrial use - Terminal marking and distinctive number for particular control switches		
DIN 40050-9	Road vehicles; Degrees of protection (IP-code); protection against foreign objects; water and contact; electrical equipment		
UL 508	Industrial control equipment		
CSA C22.2 No 14	Industrial control equipment		
Environmental Data			
Degrees of Protection	**IEC/EN DIN**		**UL/CSA**
Compact Heavy duty Pushbutton	IP 66, IP67, IP69K		Type:1, 3R, 4, 4X, 12, 13
Temperature			
Ambient temperature during operation	-25 to +70 °C		
Storage temperature	-40 to +85 °C		
Cable Connections			
Operator	**Cable Terminal**		
Compact Heavy duty Pushbutton	Connectable area: min. 1 x 0.5 mm2 / 1 x AWG22 max. 2 x 1.5 mm2 / 2 x AWG14		
Operators Locking Nut	Min. 2 Nm / Max. 2.3 Nm		
Cable Terminals M3	0.8 Nm		
Ratings as per IEC 60947-5-1			
Rated impulse withstand voltage Uimp	4kV		
Conventional free air thermal current Ith (A)	5A		
Rated frequency	50-60 Hz		
Mechanical Life	500 000 Operations		
Electrical data			
Contacts			
Ratings as per IEC 60947-5-1			
Rated Insulation Voltage, U_i		300 V	
Rated Thermal Current, I_{th}		5 A	
Rated Operational Current, I_e Utilization category AC-15	 at: 240 V	 1 A	
Rated Operational Current, I_e Utilization category DC-13,	at: 24 V at: 125 V	0.3 A 0.2 A	
Ratings as per UL, CSA, NEMA		**C300 AC**	**R300 DC**
Rated Insulation Voltage		250 V	250 V
Rated Thermal Current		2.5 A	1 A
Rated Operational Current	at: 120 V at: 125 V at: 240 V at: 250 V	1.5 A 0.75 A 	 0.22 A 0.11 A
Short circuit protection			
Max. fuse at 1 kA	gG 10A		
Minimum Switching Capacity			
5 V DC	1 mA		
Make-and-break Contacts			
Pushbutton NC -1 -2 NO -3 -4 = Closed contact			

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