



Safety of Machinery - Electrical Equipment of Machines - Part 1: General Requirements IEC 60204-1:2016

Function	Pushbutton Description	Pushbutton Colours					
Start / On	Start / On actuators should be White, Grey, Black and Green.						
Emergency Stop	The colour Red shall be used for emergency stop devices. A combination of a Red actuator with a Yellow background shall only be used for emergency stop devices.						
Stop / Off	Stop / Off actuators should be Black, Grey or White. Green should not be used.						
Start / On Stop / Off	White, Grey or Black are the preferred colours for actuators that alternately act as Start / On and Stop / Off. Red, Yellow or Green should not be used.						
Hold-to-Run	White, Grey or Black are the preferred colours for Hold-to-Run actuators that cause operation while they are actuated and cease the operation when they are released. Red, Yellow or Green Shall Not Be Used.						
Reset	Reset actuators shall be Blue, White, Grey or Black. Green shall not be used.						
Abnormal Conditions	Yellow shall be used for abnormal conditions (E.g. Interrupt an Automatic Cycle).						

Where the same colour is used for various functions, a supplementary means of coding (Engraving / Symbol) should be used for the identification of actuators.

Function	Machine Indicator Lights Description	Machine Indicator Lights Colours			
Attract Operators Attention	To attract the operators attention Red, Yellow, Blue and Green should be used.				
Confirm a Command	To confirm a command Blue and White are normally used.				

Fortress Engravings for Pushbutton Actuators

Acknowledgment	Automatic Restart	Caution	Lock	Request to Enter	Start - Off	Stop
Down	Up	Hold-to-Run	Ready (To Operate)	Reset	Start, start of action	Unlock