






EMERGENCY STOP
 Suitable for monitoring emergency stop buttons. Duelco has a wide range of relays for 1-channel operation, 2-channel operation and 2-channel operation with short-circuit monitoring respectively.













DOOR MONITORING
 Suitable for monitoring door contacts. Opening or closing of the door activates a forced contact, which provides a stop signal via the Duelco safety module.

LIGHT CURTAIN
 Suitable for monitoring safety light curtains or light barriers, both for safety category 2 and 4. Duelco has modules in both 22.5 and 45 mm housing width with different reset types.

SAFETY MAT / SAFETY EDGE
 Suitable for monitoring safety mats and safety edges. As long as the switch is held down by the operator, the machine cannot start. When released, the signal to the safety module is cut off.

NON-CONTACT SWITCHES
 Suitable for monitoring non-contact switches for doors and gates. When the door opens or is removed, the magnetic contact is activated, which provides a stop signal via the Duelco safety-module.

TWO HAND CONTROL
 Two hand control module suitable for push buttons such as the Duelco TST-4 hand sensor actuator or mechanical buttons. Two hand operations forces the operator to activate the machine with both hands.

	EMERGENCY STOP RELAYS AND EXTENSION MODULES							TWO-HAND MODULE	HAND SENSOR ACTUATOR	TWO HAND PANEL
	NST-3.2	NST-3000DI	NST-2004	NST-2007	NST-2008	NST-2009	EU-2001	HR-2007	TST-4	PCB3
APPLICATIONS										
 Emergency stop	•	•	•	•	•	•				Option:  Duelco stand PRB05 for PCB3 panels.
 Door monitoring		•	•	•	•	•				
 Safety mat/edge										
 Light curtain		•	•			•				
 Non-contact switches		•	•		•	•				
 Two hand control								•		
SAFETY CATEGORY										
PL, EN ISO 13849-1	d	e	e	e	e	e	e	e		
Category, EN ISO 13849-1	3	4	4	4	4	4	4	4	IIIC, EN 574	
DIMENSIONS										
width (mm)	22,5	18	22,5	22,5	22,5	35	22,5	22,5	Built-in = Ø 50mm; Touch = Ø 59,5mm	480 x 161 x 172
RESET TYPES AND TEST										
Automatic/manual	•	•	•	•	•	•				
Monitored		•				•				
Manual monitored		•	•							
NUMBER OF OUTPUTS										
 Safety outputs NO	3	3/4	3	3	3	2	4 (EU-2001)	2	2	
 Delayed safety outputs NO		0/2					2	4 (EU-2001S)		
 Signal output NC	1	0/1	1 (option)	1	1	1		1	1	
 Transistor (signal)			1 (option)					1	1	
 Current limited power outlet		4 x 400 mA	< 70 mA / 420 mA		< 100 mA					
LOAD										
Max. load, output	6A AC / 6A DC		6A AC / 6A DC	6A AC / 6A DC	6A AC / 6A DC	5A AC / 5A DC	6A AC / 6A DC	6A AC / 6A DC	TST-4:0,1ADC	
ORDER INFORMATION										
12 V DC	42042228									42800005 (inclusive push buttons and emergency stop button) 42800007 (inclusive push buttons and emergency stop button + 4 holes) 42800010 (stand for PCB3 panel)
24 V DC		42080005	42010204 (F)		42080010 (F)	42080021 (D)	42022001		42000010	
24 V AC/DC	42042248							42080030		
8-36 V DC	42042237		42010205 (F)							
230 V AC			42012301 (F)	42080003				42080031		

F = Fixed terminals
 D = Detachable terminals