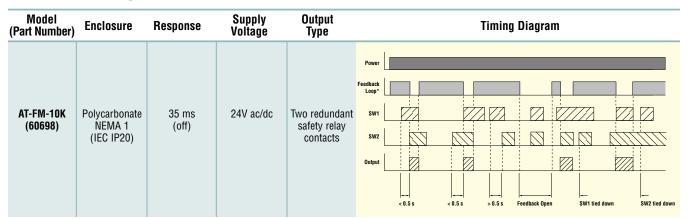


DUO-TOUCH® S& Two-Hand-Control Module Model and Kit Selection

DUO-TOUCH SG Safety Module



Kits are available which include one DUO-TOUCH SG Safety Module and two STB Touch Buttons; see chart below. STB Self-checking Optical Touch Buttons are also available separately, see page 4.

DUO-TOUCH SG Kits

KITS Includes 2 STB Touch Buttons & a DUO-TOUCH SG Module		COMPONENTS				
		DUO-TOUCH SG	STB Self-checking Optical Touch Buttons			Supply
Models	Part Number	Safety Module	Models	Outputs	Cable/Connector*	Voltage
ATK-VP6	64290	AT-FM-10K	STBVP6	PNP	4-wire 2 m (6.5') integral cable	10 to 30V dc
ATK-VP6Q	64291	AT-FM-10K	STBVP6Q	PNP	4-Pin Mini-style QD	10 to 30V dc
ATK-VR81	64287	AT-FM-10K	STBVR81	Relay	5-wire 2 m (6.5') integral cable	20 to 30V ac/dc
ATK-VR81Q	64288	AT-FM-10K	STBVR81Q	Relay	5-Pin Mini-style QD	20 to 30V ac/dc

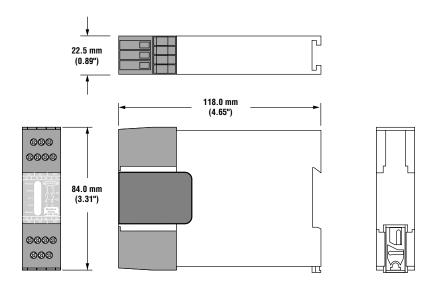
^{* 9} m (30') cables are available by adding suffix "W/30" to the kit model number including any cabled sensor (e.g., ATK-VP6 W/30). QD models require an accessory QD cable.

^{*} Feedback loop can remain closed at all times (if jumpered), when no monitoring contacts are available.



DUO-TOUCH® S& Two-Hand-Control Module Specifications & Dimensions

Supply Voltage and Current	24V ac/dc ±15% at 150 mA				
Supply Protection Circuitry	Protected against transient voltages and reverse polarity (dc hookup is without regard to polarity)				
Output Configuration	Outputs (K1 and K2): two redundant (total of four) forced-guided safety relay contacts Contact ratings: Maximum voltage: 250V ac or 250V dc Maximum current: 6A ac or dc (resistive load) Maximum power: 1500 VA, 150 watts Mechanical life: 50,000,000 operations Electrical life: 150,000 cycles (typically @ 1.5 kVA switching power) NOTE: Transient suppression is recommended when switching inductive loads. Install suppressors across load. Never install suppressors across output contacts.				
Output Response Time	35 milliseconds maximum ON/OFF				
Input Requirements	Outputs from both hand controls (1 N.O. and 1 N.C.) must each be capable of switching 10 to 50 mA @ 18 to 30V dc.				
Simultaneity Monitoring Period	≤500 milliseconds				
Status Indicators	4 green LED indicators: Power ON Input 1 energized Input 2 energized Output				
Housing	Polycarbonate. Rated NEMA 1 (IEC IP20)				
Mounting	Mounts to standard 35 mm DIN rail track. Safety modules must be installed inside an enclosure rated NEMA 3 (IEC IP54), or better.				
	10 to 55Hz @ 0.35 mm displacement per IEC 68-2-6				
Vibration Resistance	10 to 55Hz @ 0.35 mm displacement per IEC 68-2-6				
Vibration Resistance Operating Conditions	10 to 55Hz @ 0.35 mm displacement per IEC 68-2-6 Temperature: 0° to +50°C (+32° to 122°F) Maximum Relative Humidity: 90% @ +50°C (non-condensing)				
	Temperature: 0° to +50°C (+32° to 122°F)				
Operating Conditions	Temperature: 0° to +50°C (+32° to 122°F) Maximum Relative Humidity: 90% @ +50°C (non-condensing)				



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