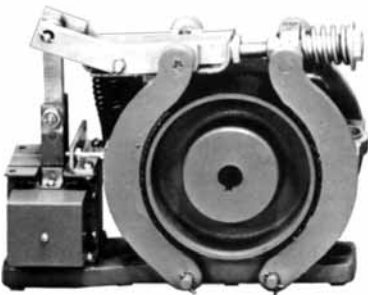


Shoe Brakes—AC and DC, 511 Series



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Product Description

Type S Brakes from Eaton’s Electrical Sector are electrically released and spring applied providing “fail-safe” operation. The retarding torque developed is directly proportional to the spring pressure.

Application Description

- Conveyors
- Machine tools
- Printing presses
- Small cranes
- Overhead doors
- Dumb waiters
- Vacuum molding machines
- Carnival rides

Features

The brake wheel is of relatively large size in relation to the torque developed by the brake. This permits use of a larger brake shoe lining and lower shoe pressures. Low shoe pressure, equally distributed over a large lining area, results in even wear of the friction surfaces and even braking torque. The oversize wheel type construction also permits use of a smaller operating solenoid that requires less current for a given torque rating.

DC Brakes

Standard DC brakes are equipped with shunt coils. The magnet coil circuit on DC brakes consists of two separate windings and a protective switch.

Mounting

Type S brakes are designed and recommended for use and mounting only in the horizontal position. Side or vertical mountings are not recommended because the solenoid loading is altered, resulting in accelerated wear and premature coil failure.

Product Selection

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When Ordering Specify

- Brake
 - Catalog number plus suffix number for coil
 - Example: 511H1193-41
- Wheel
 - Catalog number plus suffix number for bore size
 - Example: 511H1150-3

Size S-4 Brake and Wheel



Type S Brakes—Floor Mounting

Torque—lb-ft

Continuous	Intermittent ^①	Brake Size	AC Base Catalog Number ^{②③}	For Type S4, S5-1/2, S7, S10		DC Base Catalog Number ^{②③}	Coil Voltage	Coil Suffix ^②
				Coil Volts and Hertz	Coil Suffix ^②			
3	3	S-4	511H1194	120V 60 Hz	-39	511H955	120 Vdc	-97
10	10	S-4	511H1193	208V 60 Hz	-45	511H956	240 Vdc	-98
—	15	S-4	511H1192	240V 60 Hz	-40			
—	—	—	—	480V 60 Hz	-41	511H957		
25	25	S-5-1/2	511H992	600V 60 Hz	-58	511H994		
—	35	S-5-1/2	511H993	110V 50 Hz	-5			
—	—	—	—	220V 50 Hz	-6	511H995		
50	50	S-7	511H970	380V 50 Hz	-7	511H975		
—	75	S-7	511H971	440V 50 Hz	-8	511H976		
85	85	S-7	511H1195	550V 50 Hz	-9	511H1197		
—	110	S-7	511H1196			511H1198		

Notes

- ^① Intermittent duty indicates that the coil can be placed across the line continuously for one hour maximum without excessive heating. It is equivalent to 1/2 time ON and 1/2 time OFF.
- ^② Add suffix number for coil voltage to base catalog number.
- ^③ Does not include wheel.