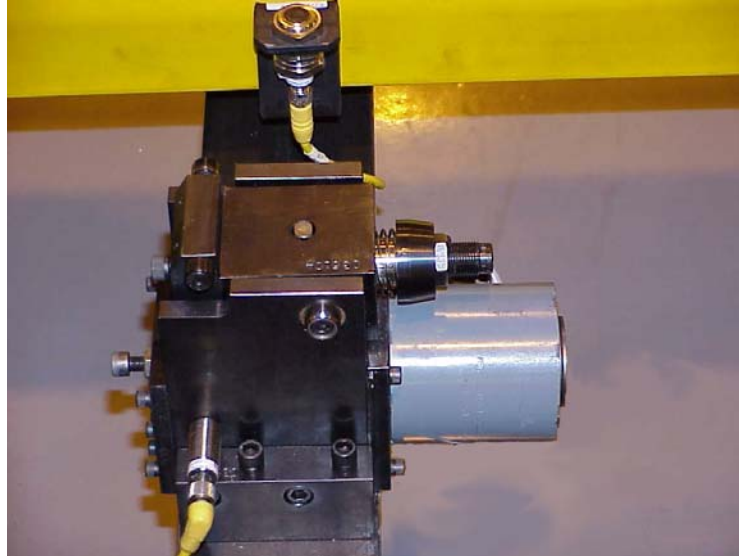




MS-7 Electric Pallet In-Station Stop

Main Applications: Pallet Stop



Description:

- Electro-mechanically actuated bump stop used to decelerate pallets in a semi-automatic, or automatic station

Equipment:

- Pneumatic shock absorber
- Electric solenoid for vertical motion
- Vertical stop position switch assembly
- Pallet stopping head
- Shown with S0700-210-01 pallet stop mounting plate
- Pallet position switch (separate item)

Customer Benefits:

- The ABB electric solenoid SofStop™ is very robust requiring little to no maintenance
- Pallets are decelerated and stopped in a smooth, fluid manner without pallet bouncing
- Shock absorber is adjustable based on pallet weight and contact speed
- Electric stop eliminates the need for pneumatics in the conveyor system
- Over a thousand stops in production

Global Code:

S0700-210-20

Version: A



MS-7 Electric Pallet In-Station Stop

Process Parameters

Name	Values	Units	Description
Deceleration capability:	700 @ 18 (max); 180 @ 14 (min); 340 @ 15 (default);	Kg @ m/minute	weight and speed
Solenoid amperage:	1.7 (default); 1.7 (min); 2 (max);	Amp	Full load amps

Design Parameters

Name	Values	Units	Description
Maximum no. of pallets on stop:	3	-	
Maximum weight on stop:	2,100	Kg	Maximum weight that solenoid can lower stop head
Response time:	20	ms	Reset time for solenoid
Maximum force:	10	Kg	Maximum stopping force at 2 amps

Reference Projects:

301137; 301290; 301165; 301152; 301200; 301216, 301351, 301359, 301364

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