

	Product Specifications For SPRING-SPRING MECHANISM	Drg. No.																																																									
		Date	15.10.2019																																																								
		Product	SPRING-SPRING MECHANISM																																																								
1.0	Application : Used for closing and opening operation Of the circuit breaker																																																										
2.0	Configuration : Spring- spring mechanism is enclosed with protective cover. The system is designed in such a way that that drive can be mounted easily to circuit breaker																																																										
3.0	Quantity : 1 No.s																																																										
4.0	Specifications: <table border="1" data-bbox="305 779 1479 1514"> <thead> <tr> <th>S.No</th><th>Specifications</th><th>Units</th><th>Value</th></tr> </thead> <tbody> <tr> <td>1</td><td>Total stroke length</td><td>mm</td><td>230-250</td></tr> <tr> <td>2</td><td>Motor rated voltage</td><td>V</td><td>240VAC,+10%, -15%,50Hz</td></tr> <tr> <td>3</td><td>Rated voltage on control circuits</td><td>V</td><td>220 VDC,-30%,+10%</td></tr> <tr> <td>4</td><td>Dynamic performance while operating Circuit breaker</td><td></td><td></td></tr> <tr> <td>4a</td><td>Opening time</td><td>sec</td><td>≈0.02-0.03</td></tr> <tr> <td>4b</td><td>Total break time (opening + arcing time)</td><td>sec</td><td>0.05-0.06</td></tr> <tr> <td>5</td><td>Average contacts velocity at opening operation</td><td>m/s</td><td>≈7-8</td></tr> <tr> <td>6</td><td>Average contacts velocity at closing operation</td><td>m/s</td><td>≈3-4</td></tr> <tr> <td>7</td><td>Operating energy for opening</td><td>KJ</td><td>6 KJ (adjustable by +1KJ)</td></tr> <tr> <td>8</td><td>Drive arrangement</td><td>NA</td><td>Horizontal/Vertical</td></tr> <tr> <td>9</td><td>Operation sequence</td><td>NA</td><td>0-0.3s-CO-180s-</td></tr> <tr> <td>10</td><td>Mechanical life</td><td>NA</td><td>10000, "O-t-C"</td></tr> <tr> <td>11</td><td>Ambient temperature</td><td>NA</td><td>-10°Cto +50°C</td></tr> </tbody> </table>			S.No	Specifications	Units	Value	1	Total stroke length	mm	230-250	2	Motor rated voltage	V	240VAC,+10%, -15%,50Hz	3	Rated voltage on control circuits	V	220 VDC,-30%,+10%	4	Dynamic performance while operating Circuit breaker			4a	Opening time	sec	≈0.02-0.03	4b	Total break time (opening + arcing time)	sec	0.05-0.06	5	Average contacts velocity at opening operation	m/s	≈7-8	6	Average contacts velocity at closing operation	m/s	≈3-4	7	Operating energy for opening	KJ	6 KJ (adjustable by +1KJ)	8	Drive arrangement	NA	Horizontal/Vertical	9	Operation sequence	NA	0-0.3s-CO-180s-	10	Mechanical life	NA	10000, "O-t-C"	11	Ambient temperature	NA	-10°Cto +50°C
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	Product Specifications For SPRING-SPRING DRIVE	Drg. No.	
		Date	15.10.2019
		Product	SPRING-SPRING DRIVE
5.0 6.0	Qualifying Requirements: The supplier should have supplied similar mechanisms for GIS application. The supplier must submit along with the quotation a few references to whom the supplier has supplied a similar mechanisms. Packing : The components shall be packed in high density wooden boxes with a primary wrapped in polyethylene. The components shall be guaranteed against all manufacturing defects.		
2/2			Signature