

Multiconductor collector trolleys

Product information



General:

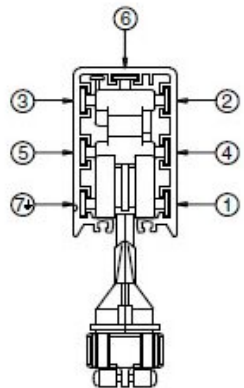
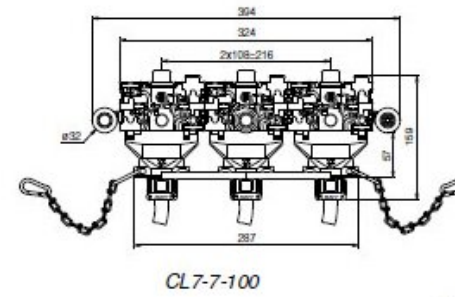
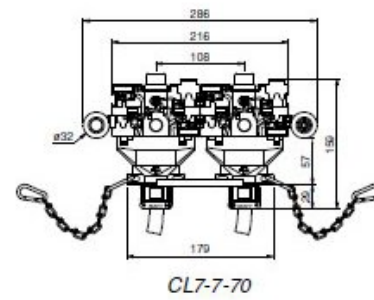
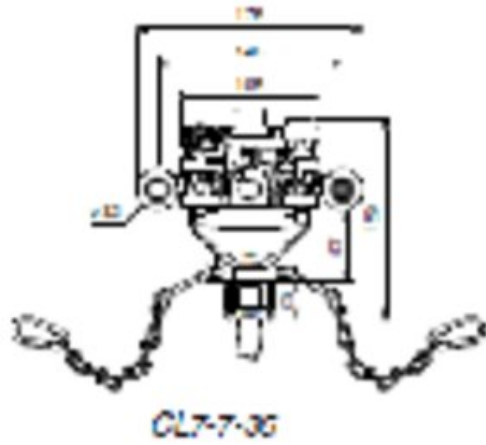
The current conduction of the Multiconductor to the device to be fed is effected through the collector trolley. The contact with the flat copper conductors is maintained uninterruptedly by means of flexible, extreme wear-resistant carbon brushes manufactured from a specific bronze-coal alloy. The collector trolley is pulled into the Multiconductor by the moving machine to be fed and by means of a trolley towing arm mounted onto this machine. The uninterrupted copper conductors of the Multiconductor system ensure extreme high traverse speeds. For higher traverse speeds, for heavy duty and/or for dusty environments the collector trolleys are fitted with dust proof, ball bearing wheels. Multiconductor collector trolleys are available for range 2 to 7 conductors with current carrying capacities of 35A, 70A and 100A (D.C. 60%) or 27,11A, 54,22A and 77,46A (D.C. 100%). Applicable from -20°C (types ./LT from -30°C) up to +80°C.

Carbon brushes:

The collector trolleys are supplied as standard with carbon brushes for 35A, positioned according to the table below. The brushes in positions 4 and 5 are both fitted as double brushes ("twin brushes"). Twin brushes are smaller than the others and their capacity is 35A per set. Advantages of this construction are a perfect balanced collector trolley and an improved transmission of control signals.

Selection chart of standard collector trolleys + transition boxes A max. number of poles	Selection chart of standard collector trolleys + transition boxes 35 type trolley	Selection chart of standard collector trolleys + transition boxes 35 type trans. box	Selection chart of standard collector trolleys + transition boxes 70 type trolley	Selection chart of standard collector trolleys + transition boxes 70 type trans. box	Selection chart of standard collector trolleys + transition boxes 100 type trolley	Selection chart of standard collector trolleys + transition boxes 100 type trans. box
2	CL7-2-35	TTB35-4	CL7-2-70	TTB70-4	CL7-2-100	TTB100-4
3	CL7-3-35	TTB35-4	CL7-3-70	TTB70-4	CL7-3-100	TTB100-4
4	CL7-4-35	TTB35-4	CL7-4-70	TTB70-4	CL7-4-100	TTB100-4
5	CL7-5-35	TTB35-7	CL7-5-70	TTB70-7	CL7-5-100	TTB100-7
6	CL7-6-35	TTB35-7	CL7-6-70	TTB70-7	CL7-6-100	TTB100-7
7	CL7-7-35	TTB35-7	CL7-7-70	TTB70-7	CL7-7-100	TTB100-7

Blueprint



*Schedule brush positions
in CL7*