


Instrument Data Sheet

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|--|----|---|---|
| General | 1 | Product | Roto-Level Control: Rotating Paddle (Explosion Proof) |
| | 2 | Model Number | CRX-2B |
| | 3 | Manufacturer | Conveyor Components Company |
| | 4 | | |
| Environment | 5 | Ambient Temperature | -25 to +40 °C [-13 to +104 °F] |
| | 6 | Process Temperature | Up to 350 °F [177 °C] when using stainless steel shaft and paddle; Up to 160 °F [71 °C] when using a flexible shaft (CR-71); -20 to 180 °F [-30 to 82 °C] when using neoprene paddle (CR-64) |
| | 7 | Enclosure Material | 319 cast aluminum |
| | 8 | Enclosure Rating | NEMA Type 7: Class I (Div. 1 & 2), Groups C & D; Type 9: Class II (Div. 1 & 2), Groups E, F & G |
| | 9 | Mounting (Unit) | 1-¼" NPT thread – male; Side or top bin mounting plates available |
| | 10 | Mounting (Mounting Plate) | Flat plate with 1-¼" NPT coupling – female Ø7.0" [Ø178 mm] bolt circle 6 holes at Ø ¹⁷ / ₆₄ " [7 mm] (¼" studs or bolts) |
| | 11 | | |
| Switch | 12 | Switch Type | SPDT x 2 |
| | 13 | Contact Type | Dry contact |
| | 14 | Contact Rating | 20A @ 125V, 250V or 480V AC; 1 hp @ 125V AC; 2 hp @ 250V AC; ½ A @ 125V DC; ¼ A @ 250V DC |
| | 15 | Electrical Action | Non-latching |
| | 16 | Electrical Connection | ¾" NPT x 1 |
| | 17 | Supply Voltage | 240V AC |
| | 18 | Power Consumption | 5 W |
| | 19 | Indicating Lamp | None |
| Actuator | 20 | Type | Rotating paddle level control |
| | 21 | Mechanism | Rotating paddle with sprung arm |
| | 22 | Inactivated State | Paddle freely rotating (1 rpm) |
| | 23 | Activated State | Paddle rotation obstructed (field adjustable sensitivity) |
| | 24 | Action | Non-latching |
| | 25 | | |
| Options | 26 | Finish | Epoxy (option E) coating available |
| Accessories | 27 | Paddle | Four vane paddle (CR-61) |
| | 28 | | Curved vane paddle (CR-62): inserts through coupling |
| | 29 | | Solid shaft with single vane paddle (CR-63): inserts through coupling, 350° F [177° C] process temperature |
| | 30 | | Flexible neoprene paddle (CR-64) |
| | 31 | | Flexible stainless steel paddle (CR-65) |
| | 32 | Mounting Plate | Powder coated steel: side of bin (CR-81) or top of bin (CR-83) |
| | 33 | | Stainless steel: side of bin (CR-82) or top of bin (CR-84) |
| | 34 | Shaft | Solid stainless steel (CR-70) or flexible neoprene (CR-71) |
| | 35 | Shaft Extension | Extensions and extension guards available in galvanized (CR-90, CR-100) or stainless steel (CR-91, CR-101) |
| | 36 | | |
| Certifications | 37 | UL Certification File | NQLX.E109308 |
| | 38 | cUL Certification File | NQLX7.E109308 |
| | 39 | | |
| Manufacturer | 40 |  | Conveyor Components Company Division of Material Control Inc. 130 Seltzer Road, PO Box 167 Croswell, MI 48422 USA (810) 679-4211 info@conveyorcomponents.com www.conveyorcomponents.com |
| Notes: 1. If the shaft extension is longer than 10 ft. [3 m], the extension guard should be braced against the bin wall every 5 ft. [1.5 m]. 2. Extension guards should be cut 2" [50 mm] shorter than the overall shaft and paddle length. | | | |