LPCD....

Communication Ports

USB and RJ45 communication interfaces

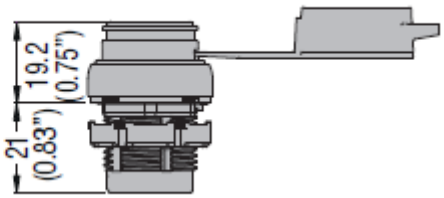


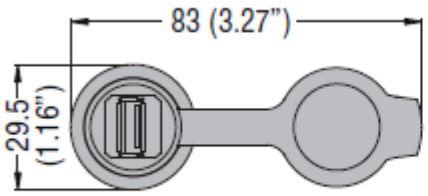
LPC D01

Order code	Description	Qty per pkg.	Wt
		n°	[kg]
LPC D01	USB interface, A/A female type connection	1	0.01
LPC D03	USB interface, A/B female type connection	1	0.01
LPC D05	USB interface, B/A female type connection	1	0.01
LPC D06	RJ45 interface, Ethernet connection type	1	0.02



LPC D03 LPC D05





General characteristics

USB and RJ45 communication interface connectors are used in industrial environments, which in recent years have seen an increase in the number of connections between machines, production lines, equipment and measuring instruments. These interfaces provide the transmission of data in both directions between the various devices.

Operational characteristics

- rated insulation voltage for LPCD01, LPCD03, LPDC05: 5VAC/DC
- rated insulation voltage for LPDC06: 24VAC
- interface mechanical endurance: ≥750 insertions
- Installed through a Ø22mm/Ø0.87" drilling with a threaded fixing ring (Tmax = 2.3Nm/1.69lbft) also on the cover of LPZ control stations
- transmission characteristics for LPCD01, D03, D05: 5Gbps (625MB/sec)
- transmission characteristics for LPCD06: 10 Gigabit Ethernet IEEE 802.3an-2006
- rated current for LPCD01, LPCD03, LPCD05: 1.8A
- rated current for LPCD06: 1.5A
- insulation resistance: ≥100MOhm
- contact resistance for LPCD01, LPCD03, LPCD05: ≤30mOhm
- contact resistance for LPCD06: ≤40mOhm
- USB connector class: 3.0 (backward compatible with USB class 2.0)
- Ambient conditions:
  - Operating temperature: -25...+70°C
  - Storage temperature: -40...+85°C
- Degree of protection:
  - per IEC/EN: IP65 on front (with cap mounted)
  - per IEC/EN: IP20 at rear
  - per UL: type 1, 2, 3R, 4, 4X, 12, 12K on front (with cap mounted)

Materials

Polyamide.

Certifications and compliance

Certifications obtained: cULus, EAC, CCC (pending), RINA (pending).
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.