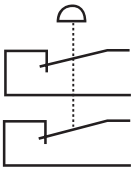
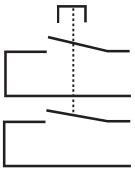
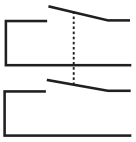
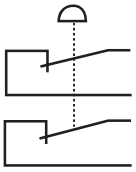
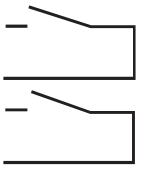
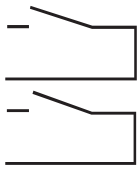
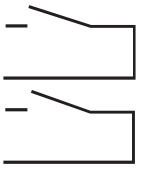
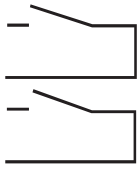
External electrical diagram	Name of electrical diagram	J50 pin No.	Pin name	Internal electrical diagram	switch open	switch closed
	USER ES1 emergency stop	1 20 2 21	USERES1+ USERES1- USERES2+ USERES2-		emergency stop	normal operation
	USER validation in Manual mode	3 22 4 23	USEREN1+ USEREN1- USEREN2+ USEREN2-		emergency stop in manual mode	normal operation
	DOOR validation in Auto mode	9 28 10 29	DOOR1+ DOOR1- DOOR2+ DOOR2-		emergency stop	normal operation
	USER ES2 emergency stop	14 33 15 34	USERES3+ USERES3- USERES4+ USERES4-		emergency stop	normal operation
Note (1) Note (4)	UES1 UES2 emergency stop channel status	5 24 6 25	ESOUT1+ ESOUT1- ESOUT2+ ESOUT2-		emergency stop	normal operation
Note (5)	A/M1 A/M2 operating mode	7 26 8 27	AUT/MAN1+ AUT/MAN1- AUT/MAN2+ AUT/MAN2-		Manual mode	Automatic mode
Note (6)	AP1 AP2 Arm powered-up	12 31 13 32	USERAC1+ USERAC1- USERAC2+ USERAC2-		arm not powered	arm powered
Note(2) Note (4)	TEMP thermal fault	16 35 17 36	OverTemp1+ OverTemp1- OverTemp2+ OverTemp2-		temperature fault	normal operation
Note (3)	Remote control	11 30	UserCC24 UserCCRTN			