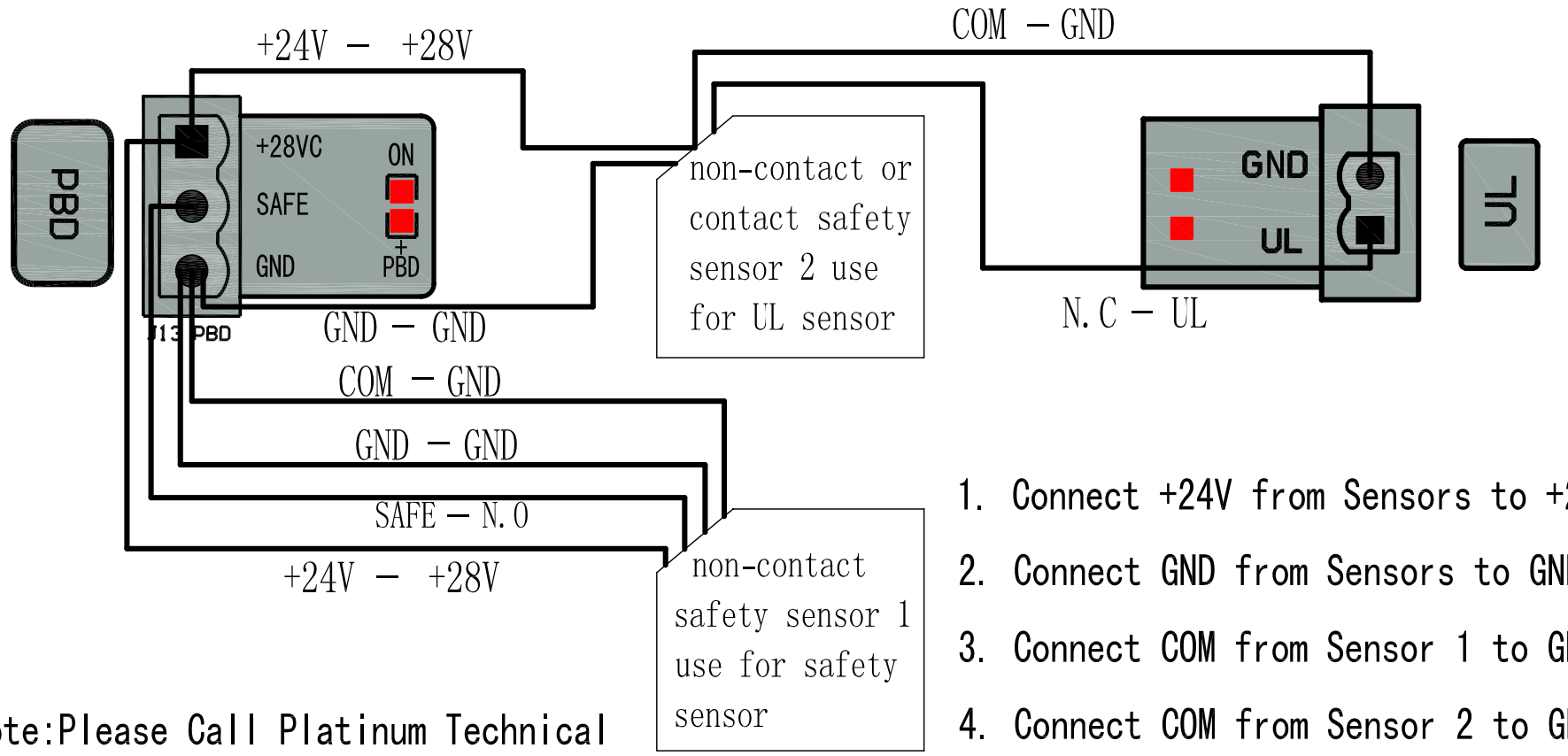
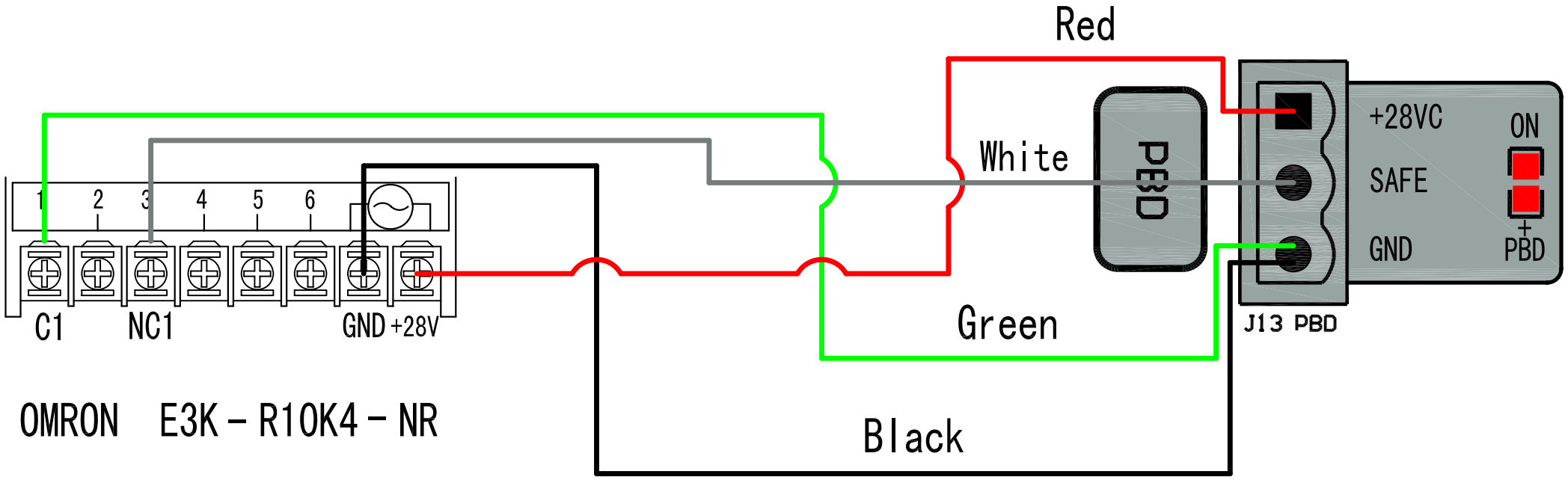
General Safety & UL Connection for two Sensors



Note:Please Call Platinum Technical Support If you need an expansion board to put on more Safety Sensors

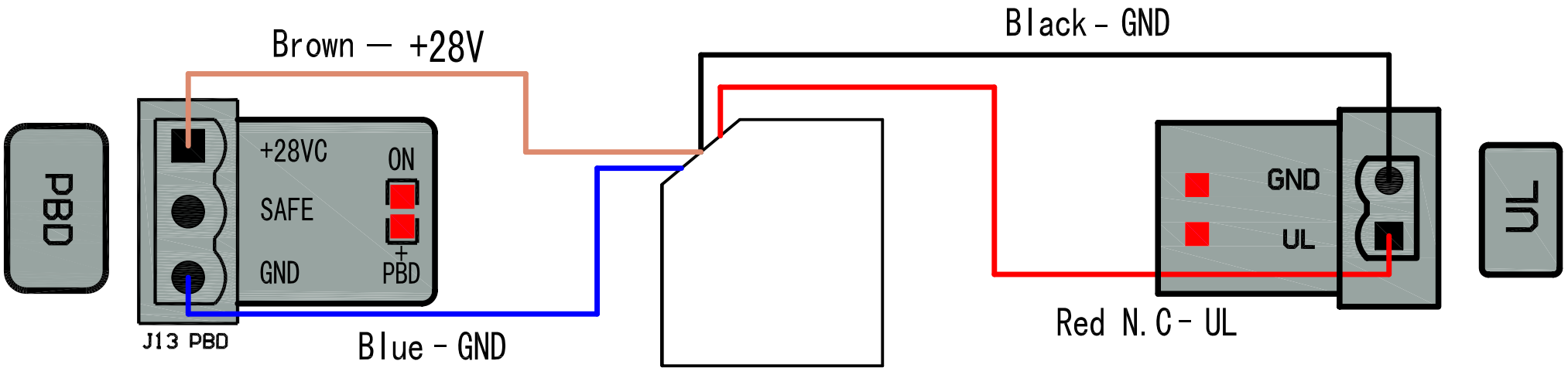
1. Connect +24V from Sensors to +28V at PBD Port
2. Connect GND from Sensors to GND at PBD Port
3. Connect COM from Sensor 1 to GND at PBD Port
4. Connect COM from Sensor 2 to GND at UL Port
5. Connect N.O from Sensor 1 to SAFE at PBD Port
6. Connect N.C from Sensor 2 to UL at UL Port

Safety Connection for OMRON E3K-R10K4-NR Photoeye Sensor

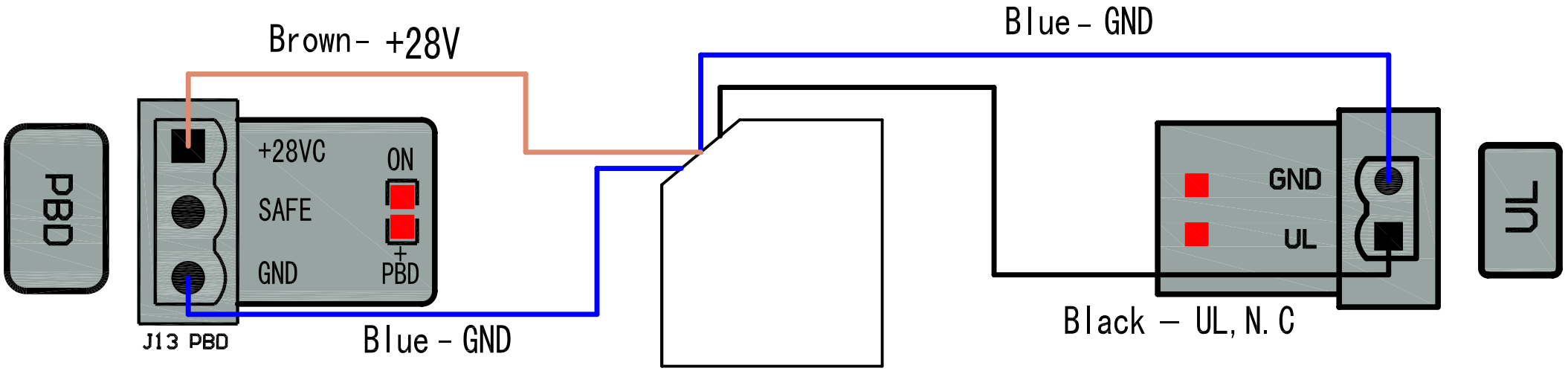


1. Connect Terminal C1 to GND at PBD Port
2. Connect Terminal NC1 to SAFE at PBD Port
3. Connect +28V to +28V at PBD Port
4. Connect GND to GND at PBD Port

UL Connection for EMX Nirplus Photoeye Sensor



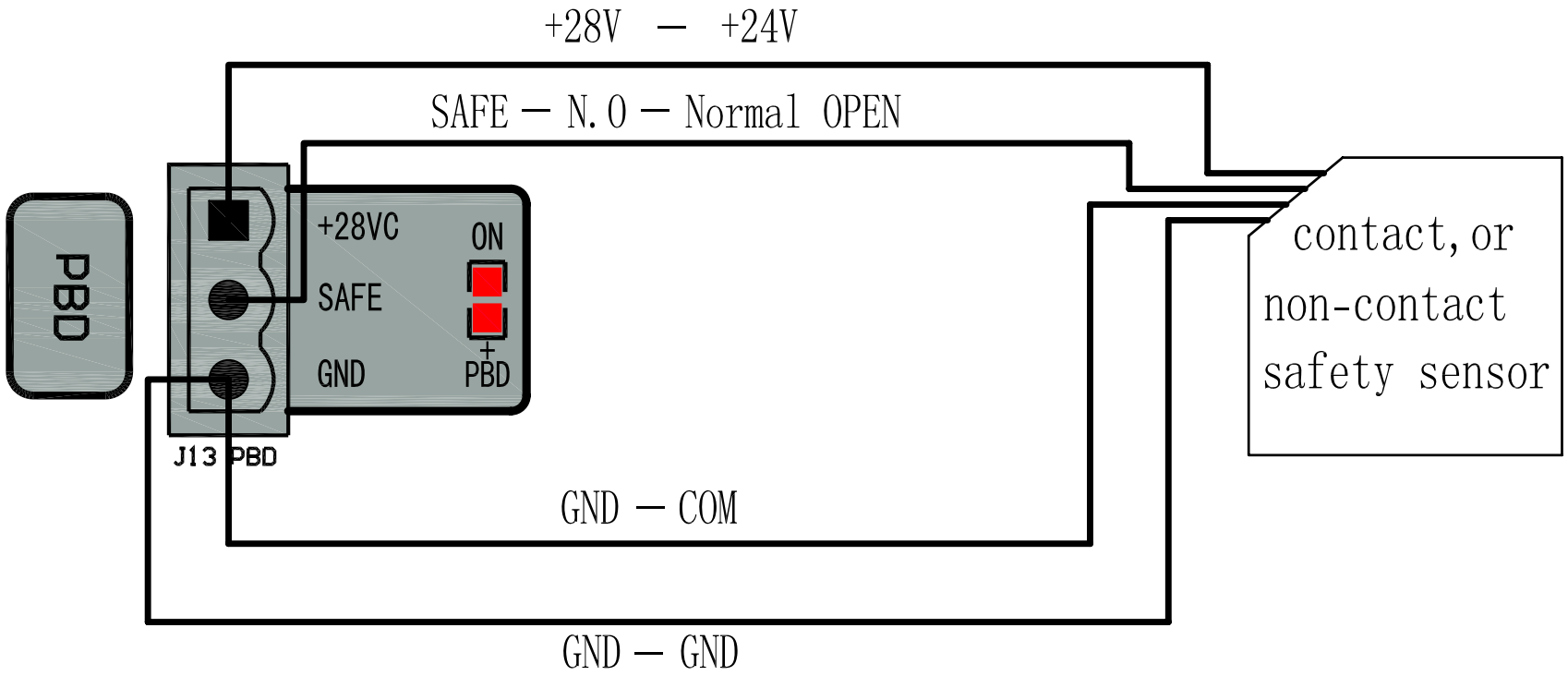
1. Connect Brown Wire to +28V at PBD Port
2. Connect Blue Wire to GND at PBD Port
3. Connect Red N.C Wire to UL at UL Port
4. Connect Black Wire to GND at UL Port



UL Connections for the following Sensors:

1. Seco-Larm E-936-S45RRGQ
2. EMX Nir-50-325
3. EMX Nir-50

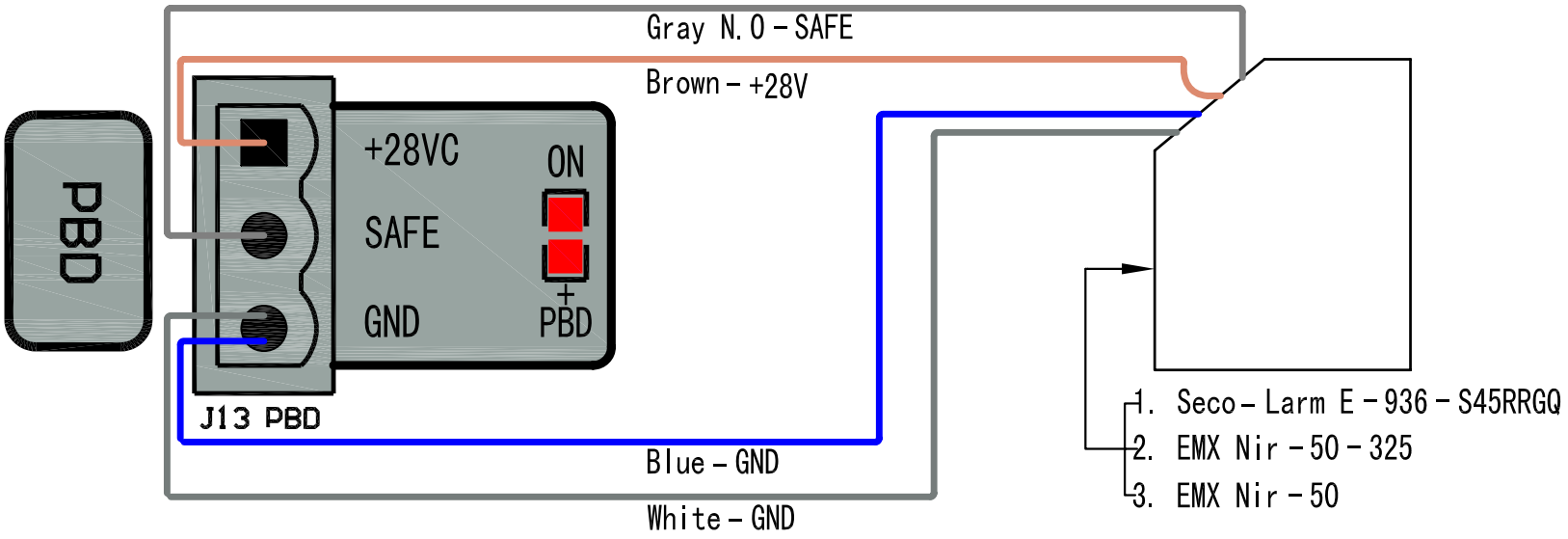
Note: We recommend using E-936-S45RRGQ



General Safety Connection for Contact or non-contact Safety Sensors

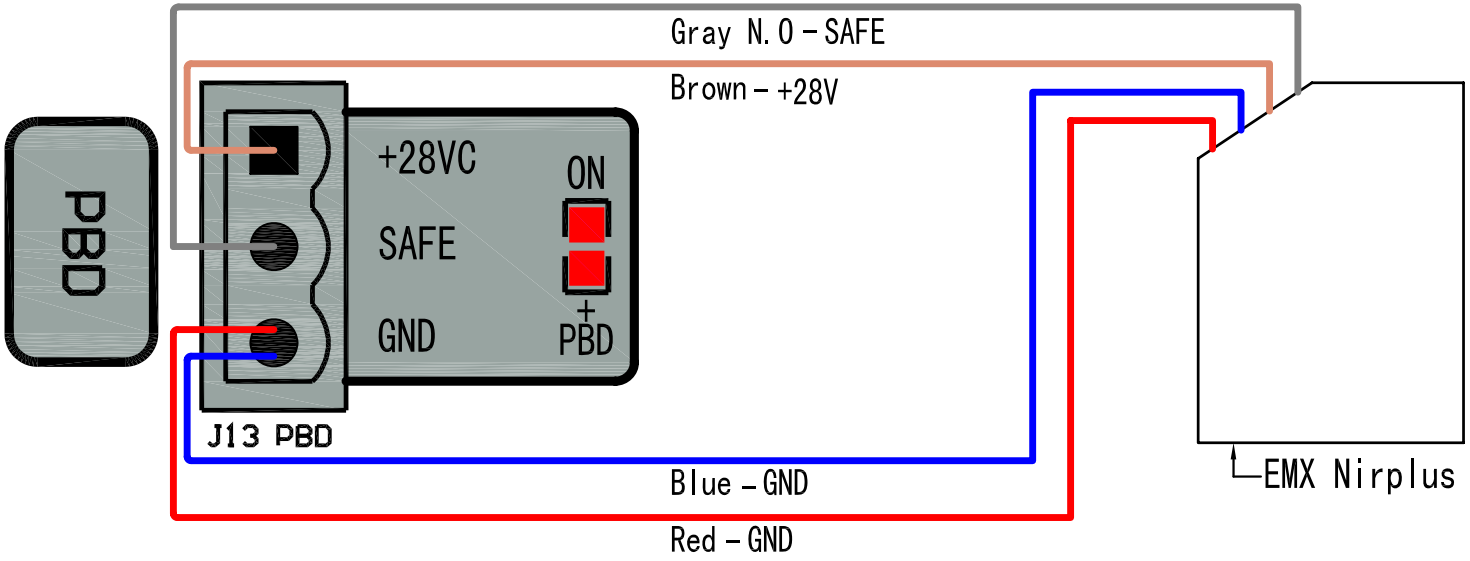
1. Connect +24V from Sensor to +28V at PBD Port
2. Connect GND from Sensor to GND at PBD Port
3. Connect N.O (Normal Open) from Sensor to SAFE at PBD Port
4. Connect COM from Sensor to GND at PBD Port

Safety Connections for the following Sensors

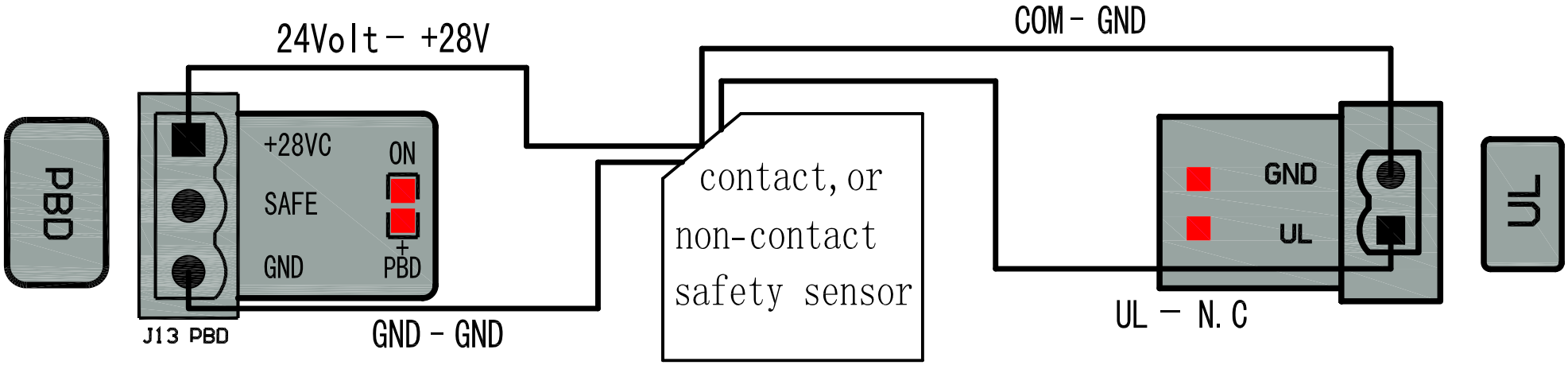


Note: We recommend using E - 936 - S45RRGQ

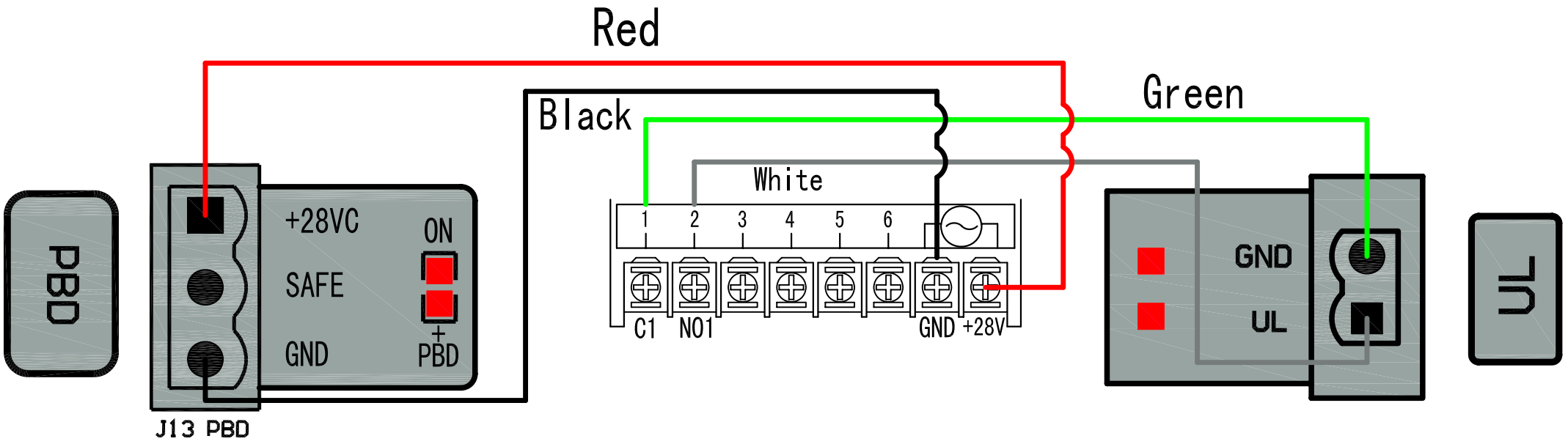
Safety Connection for Nirplus Photoeye Sensor



General UL Connection for most contact and non－contact Safety Sensors



1. Connect +Voltage (+24VDC) from Sensor to +28V at PBD Port
2. Connect GND from Sensor to GND at PBD Port
3. Connect N.C (Normal Close) from Sensor to UL at UL Port
4. Connect COM from Sensor to GND at UL Port



OMRON E3K-R10K4-NR

Photoeye Sensor Terminal Diagrams

UL Connection for OMRON Photoeye Sensor E3K-R10K4-NR

1. Connect +28V from Sensor to +28V at PBD Port
2. Connect GND from Sensor to GND at PBD Port
3. Connect NO1 from Sensor to UL at UL Port
4. Connect C1 from Sensor to GND at UL Port