

Wieland Part Number	Type	*Pliz nearest equiv.
4000 Series Safety Relays		
R1.188.0400.1	SNO4003K AC/DC 24V	single channel e-stop & gate apps AC/DC 24V
R1.188.0880.1	SNO4003K AC 115V	single channel e-stop & gate apps AC 115V
R1.188.0690.2	SNO4062K AC/DC 24V	single or two channel e-stop & gate apps AC/DC 24V
R1.188.1270.0	SNO4063KM AC/DC 24V	light curtain (type 4) + 4 wire safety mat apps to Cat 4 + 3 NO contacts
R1.188.1090.1	SNO2012	single/two channel e-stop & gate apps to Cat 4 + 6 NO contacts/4 NC
R1.188.0970.0	SNO4063K AC/DC 24V	single/two channel e-stop & gate apps to Cat 4 + 3 NO contacts 24V
R1.188.0980.0	SNO4063K AC 115V	single/two channel e-stop & gate apps to Cat 4 + 3 NO contacts 110V AC
R1.188.0620.0	SNO4063K AC 230V	single/two channel e-stop & gate apps to Cat 4 + 3 NO contacts 230V AC
R1.188.0640.0	SNV4063KL-A 3s DC 24V	controlled stop apps, 2 undelayed NO contacts + 1 OFF delayed NO contact 3s
R1.188.0450.1	SNV4063KL-A 30s DC 24V	controlled stop apps, 2 undelayed NO contacts + 1 OFF delayed NO contact 30s
R1.188.0920.1	SNZ4052K AC 115V	two hand control apps with 2 NO contacts + 1 NC 110V
R1.188.0930.1	SNZ4052K AC 230V	two hand control apps with 2 NO contacts + 1 NC 230V
R1.188.1330.0	SNE4003K DC 24V	contact expansion module with 3 NO contacts + 2 NC
R1.188.0520.0	SNE4004K AC/DC 24V	contact expansion module with 4 NO contacts + 3 NC
Recommended		
R1.188.0410.3	SNO2004K AC/DC 24V	single channel e-stop & gate apps to Cat 2 + 2 NO contacts.
R1.188.1680.0	SNA4043K AC/DC 24V	single/two channel e-stop & gate apps to Cat 4 + 3 NO contacts/1 NC
R1.188.1620.0	SNA4063K AC/DC 24V	single/two channel e-stop & gate apps to Cat 4 + 3 NO contacts +1 NC
Sensor SMA Series Safety		
R1.100.0113.0	SMA 0113	magnetic cube-shaped + 3m cable + NO/NC contacts IP67
R1.100.0119.0	SMA 0119	magnetic rectangular-shaped + 3m of cable
R1.100.0213.0	SMA 0213	magnetic rectangular-shaped + M8 connection
R1.100.0219.0	SMA 0219	magnetic round-shaped + 3m cable
R1.100.0313.0	SMA 0313	magnetic round-shaped + M8 connection
R1.100.0319.0	SMA 0319	magnetic round-shaped + M8 connection

*Suitable replacement for Pliz products where indicated



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Samos PRO

samos® PRO is a compact modular safety controller for machine and automation control with multi-functional base modules that are modularly interlinked, extending its safety functions module by module.

The compact design of **samos®** PRO means it offers the highest possible degree of flexibility, consisting of function modules of only 22.5mm wide and programmable safety solutions from a width of 45mm. These modules can easily be plugged together and are available as input/output, input or relay output units and gateways in conjunction with the controller.

Safe System Solutions

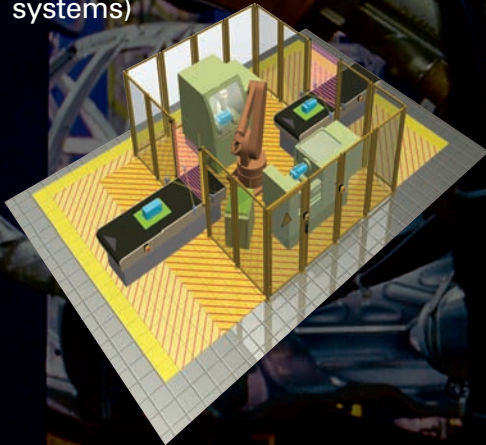
Are you ready for the new Machinery Directive which comes in to force on December 29th 2009?

Wieland leads the way in safety technology, protecting man and machine with its 4000 Series, samos PRO, SMA Safety Sensors and Emergency Stops



On December 29th 2009 the new Machinery Directive comes in to force. The EU machinery directive requires risk assessment in accordance with the new harmonised standards:

- EN ISO 13849-1 (safety-related parts of control systems, Part 1; General principles for design)
- EN62061 (Functional safety of safety-related electrical, electronic and programmable electronic control systems)



Machinery owners, manufacturers and system integrators must be fully compliant. The previous standard EN 954-1, based on calculated risk, has become obsolete due to the increased use of programmable electronics.

Wieland Electric offers a range of products that are compliant with all of the new standards, whilst offering a technically innovative solution for all applications.

4000 Series Relays

Wieland's 4000 Series of Universal Safety Relays has a safe, integrated logic to monitor the safety functions and connections for a startup/re-startup block and monitor external actuators. The Compact 4000 Series provides a quick, safe and cost effective solution to all routine industrial applications where man and machinery interface.

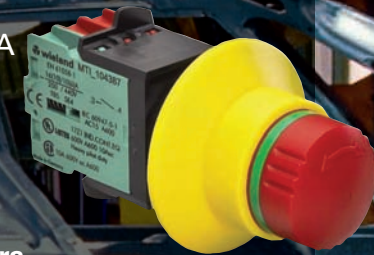


- Time function off-delay with/without retriggering
- Time function on-delay
- Monitored/unmonitored manual start or automatic start
- 1 or 2 channel activation
- Safe output contacts (normally open contact)
- Compact design
- 3 types of connection



Emergency Stops

- Pushbutton unlocks via rotation or key
- Available with/without protective collar
- Optional fall off protection
- Protection up to IP69 for harsh environments
- Optional illumination
- Switching capability of the contacts: AC 250 V / 16 A
- TÜV, UL and CSA certification



SMA Series Sensors

- Can be used up to Cat 4 (EN 954-1)
- High switching interval
- IP 67 rated for harsh environments
- Square or round options
- Cable connection/ M8 screw connection
- Tamper-proof

