

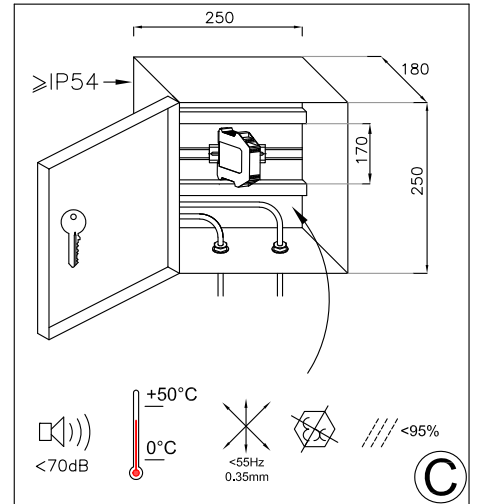
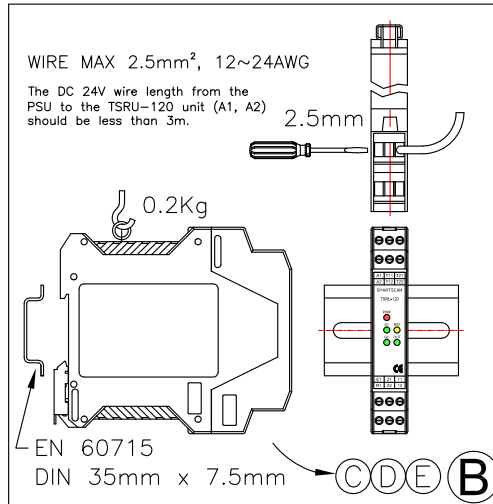
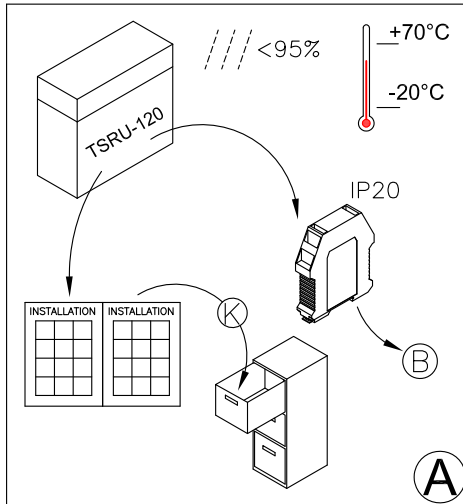
INSTALLATION

Original instructions

SLIM SAFETY RELAY UNIT

TSRU-120

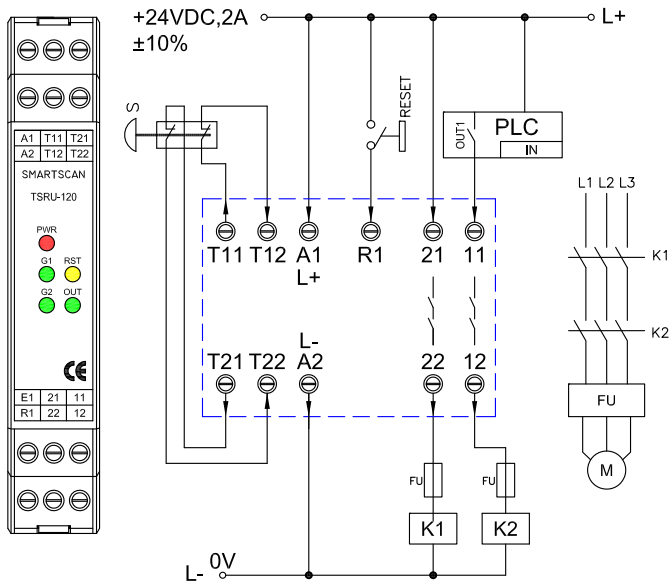
CD1033/150925



Emergency Stop Switch

E-STOP dual-channel inputs without detection of shorts across contacts

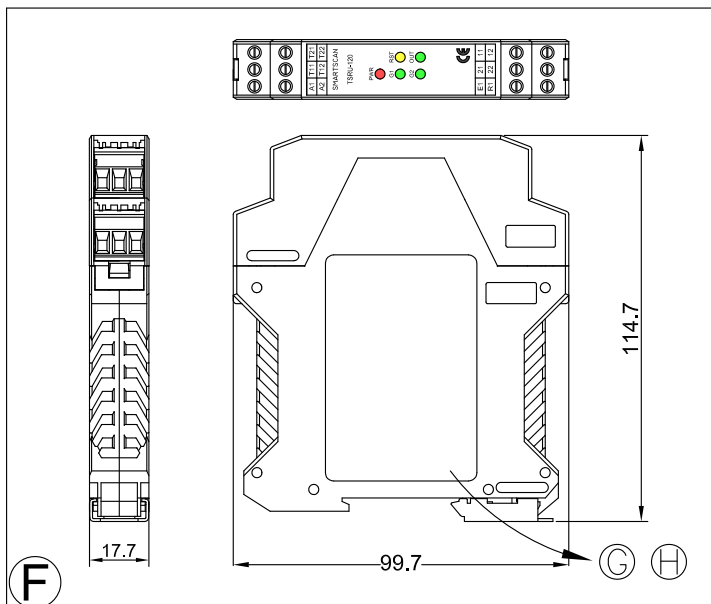
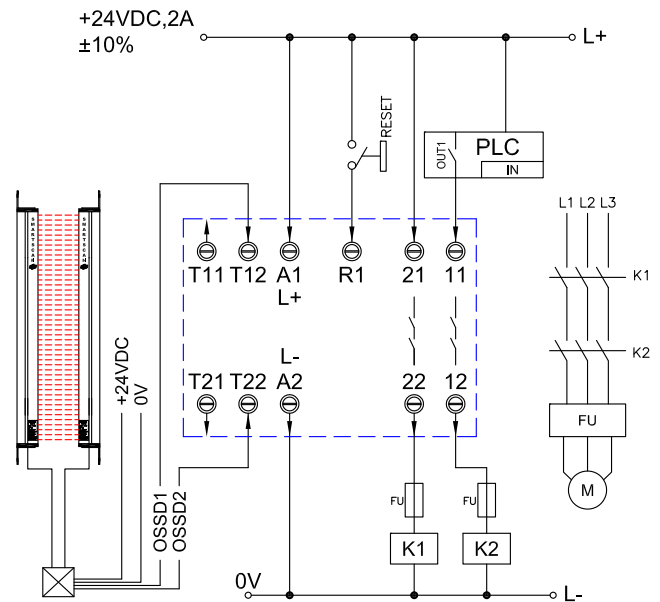
Category 3 / PL d



Safety Area Sensor

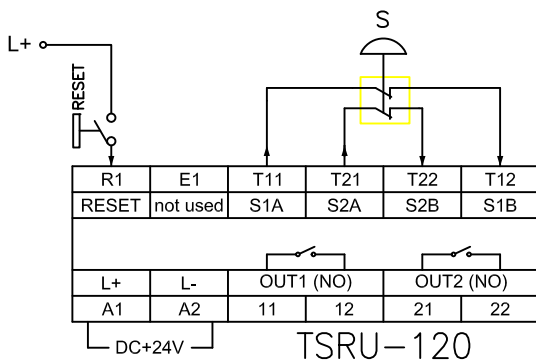
Dual-channel inputs for light curtain or photoelectric sensor, detection of shorts across contacts via ESPE equipment

Category 3 / PL d



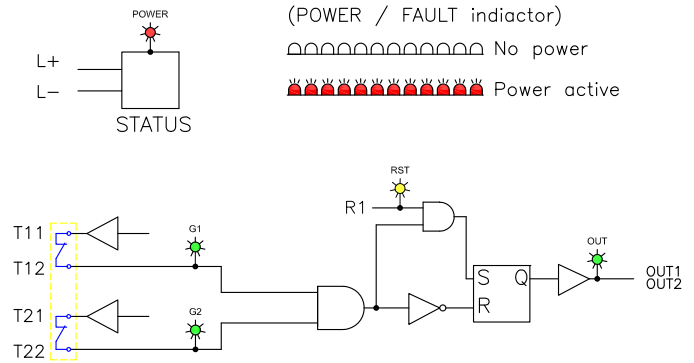
- V = +24V DC
 - I = 120mA
 - = 250V AC 2A
 - = 10⁷ OPERATIONS
 - = 20ms
 - = IP20
 - = BS EN ISO 13849-1 CATEGORY 3
 - = BS EN ISO 13849-1 PL d
 - = BS EN 62061 SIL 2
- SMARTSCAN TW LTD. Website: www.smartscan.com.tw
 No. 7, Gongyequ 41st Rd., Xitun Dist., Taichung City 407, Taiwan
 TEL: +886-4-23598885 FAX: +886-4-23599423

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INDICATORS



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CD1033/150925

EC Declaration of Conformity

Product: Smartscan 'Slim Safety Relay Unit' controller
Models: TSRU-120, TSRU-131

Manufacturer: Smartscan TW Limited,
 No. 7, Gongyequ 41st Rd., Xitun Dist., Taichung City 407, Taiwan

Declares that the safety components(s) described:
 TSRU-120, TSRU-131 Serial Numbers: Between T800 000 – T899 999

Fulfills the following safety function: Safety Relay controllers

Conforms to the following Directives:
 Machinery Directive 2006/42/EC
 Electromagnetic Conformity Directive 2014/30/EU
 Low Voltage Directive 2014/35/EU

Complies with the relevant requirements of the following Standards:

EN ISO 13849-1	TSRU-120	TSRU-131
IEC 62061	Category 3	Category 3
EN ISO 13849-1	SIL 2	SIL 2
	PL d	PL d

Uses the following standards:
 EN ISO 12100, EN 60204-1

Complies with the examples to which the EC type examination certificate below relates, and is in conformity with the protection requirements of Council Directive 2014/30/EU, as amended, on the approximation of the laws of the Member States relating to electromagnetic compatibility.

The component is of a type listed in Annex IV of the Machinery Directive. Examples have been submitted for type examination by the approved body identified below.

Safenet Certification Services Ltd. Notified Body Number: 2805

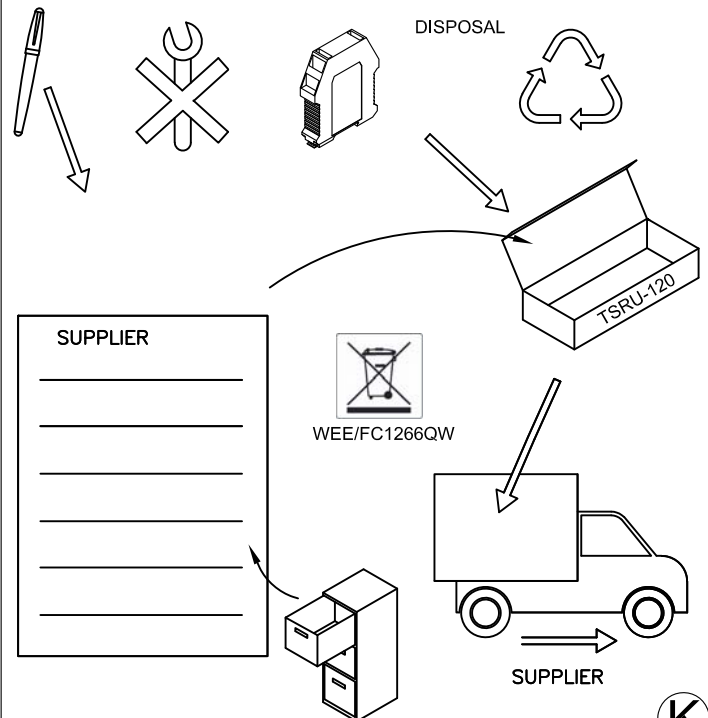
Address Ducart Suite, Castletroy Park Commercial Campus, Limerick, V94 Y6FD, Ireland

Certificate No. 7129120725

Signed: Date: 15. 09. 2025

Title: Technical Director

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ENGLISH	DANSK	DEUTSCHE	DUTCH	FRANCAIS	ITALIANO	ESPAÑOL	SVENSKA
ACTIVE	Aktiv	Aktiv	Actief	Actif	Attivo	Activo	Aktiva
CATEGORY	kategori	kategorie	categorie	Catégorie	categoria	categoría	kategori
CONTROL	kontrol	auswertegeraet	besturing	contrôle	controllo	controlar	kontroll
DANGER	fare	gefahr	gevaar	danger	pericolo	peligro	fara
DISPOSAL	rådighed	entfernen	weg doen	disposition	smaltimento	disposicion	slängas
E-STOP	e-stop	notstop	noodstop	arrêt d'urgence	arresto d'emergenza	paro de emergencia	nödstopp
EXAMPLE	eksempel	beispiele	voorbeelden	exemples	esempio	ejemplos	exempel
FUNCTION	funktion	funktion	functie	fonction	funzione	funcion	funktion
INDICATORS	indikation	anzeige	indicator	indicateur	indicatore	indicador	indikering
INSTALLATION	installation	installation	installatie	installation	installazione	instalacion	installation
INSTRUCTIONS	instruktioner	Instruktionen	instructie	instructions	istruzioni	instrucciones	instruktion
LIGHT CURTAIN	Lysgitter	lichtgitter	lichtscherm	barrière	barriera ottica	cortina de seguridad	ljus barrier
LOCKOUT	fjellmode	aussperren	systeem blokkering	blocage	bloccaggio	cierre	felsäkert läge
MACHINE	maskine	Maschine	machine	machine	macchina	máquina	maskin
MAX	maksimal	maximum	max	maximum	massimo	maximo	max
MONITOR	aftæse	überwachung	bewaking	surveillent	sorveglianza	el vigilar	övervakande
OFF	Slukke	aus	uit	off	non attivo	apagado	från
ON	Tænde	ein	aan	on	attivo	en	till
OPERATIONS	operation	in betrieb	in bedrijf	opération	funzionamento	operacion	drift
ORIGINAL	original	das Original	origineel	original	originale	original	ursprunglig
OUT	ud	aus	uit	hors / dehors/ extérieur	uscita	fuera	ut
OVERRIDE	overstyre	überbrücken	overbrugging	enfoncer	esclusione automatismo	override	överstyrning
POWER	forsyning	Spannung	voedingsspanning	puissance	potenza	alimentacion	spänning
RELAY	Relæ	relais	relais	relais	relè	rele	relä
REPAIR	reparere	reparatur	herstellen	réparation	riparazione	reparar	reparation
RESET	Nulstil	zurücksetzen	reset	réinitialiser	Ripristina	Reiniciar	återställa
SAFETY	sikkerhed	sicherheit	veiligheid	sécurité	sicurezza	seguridad	säkerhet
STATUS	status	status	status	statut	stato	estado	status
SUPPLIER	leverandør	lieferant	leverancier	fournisseur	fornitore	proveedor	leverantör
USER	bruger	nutzer	gebruiker		utilizzatore	usuario	användare
WIRE	tråd	Draht	draad	câble	filo	cable	tråd

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