ReeR S.p.A. Safety Division
Via Carcano 32
10153 - Torino (TO)
Ph. +39 011 248 2215
https://www.reersafety.com

Company / customer	
Project description	Safety light curtains
Job number	
Commission	ReeR - Safegate
Manufacturer (company)	ReeR S.p.A
Project name	ReeR - Safegate
Type	ePlan P8 ver.2.6
Place of installation	
Responsible for project	
Part feature	Safety light curtains

Created on 21/06/2021
Edit date 20/10/2021 by (short name) REER Number of pages 37

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F06_002_REER

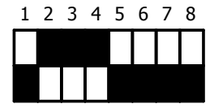
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		1	Cover sheet		20/10/2021	REER
		2	Page summary		20/10/2021	REER
		2.a	Page summary		20/10/2021	REER
SAFEGATE	SYM	1390952	SAFEGATE M SGO BOX - Connection box		20/10/2021	REER
	SYM	1390953	SAFEGATE M SG BOX - Connection box		20/10/2021	REER
	SYM	1390955	SAFEGATE M SG BOX PLUS - Connection box with enhanced relays		20/10/2021	REER
	SYM	1390956	SAFEGATE M SGO BOX PLUS - Connection box with enhanced relays		20/10/2021	REER
	SYM	1390957	SAFEGATE M SG BOX OSSD - Connection box ossd output only		20/10/2021	REER
	SYM	1390958	SAFEGATE M SGO BOX OSSD - Connection box ossd output only		20/10/2021	REER
	SYM	1390959	SAFEGATE M SG BOX RST - Connection box with restart command only		20/10/2021	REER
	SYM	1390960	SAFEGATE M SG BOX RST P - Connection box with restart command only and I/O modules output		20/10/2021	REER
	SYM	SMOkkkkkkk	SAFEGATE SMO KKKK Light curtain with Muting functions integrated		20/10/2021	REER
	SYM	SMOkkkkkkk_TRX	SAFEGATE SMO KKKK TRX Light curtain with Muting functions integrated		20/10/2021	REER
	SYM	SMPOkkkkkkk	SAFEGATE SMPO KKKK Light curtain with Muting functions integrated		20/10/2021	REER
	SYM	SMPOkkkkkkk_TRX	SAFEGATE SMPO KKKK TRX Light curtain with Muting functions integrated		20/10/2021	REER
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	SYM	SMkkkkkkk_TRX	SAFEGATE SM KKKK TRX Light curtain with Muting functions integrated		20/10/2021	REER
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	SYM	SOkkkkkkk_LR-A	SAFEGATE SO KKKK Light curtain without Muting functions integrated		20/10/2021	REER
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	SYM	Skkkkkkk_TRX	SAFEGATE S KKKK TRX Light curtain without Muting functions integrated		20/10/2021	REER
	LAY	1390952	SAFEGATE M SGO BOX - Connection box		20/10/2021	REER

			Date	20/10/2021	ReeR - Safegate		Page summary		=
			Ed.	REER					+
			Appr		Safety light curtains				Page 2
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

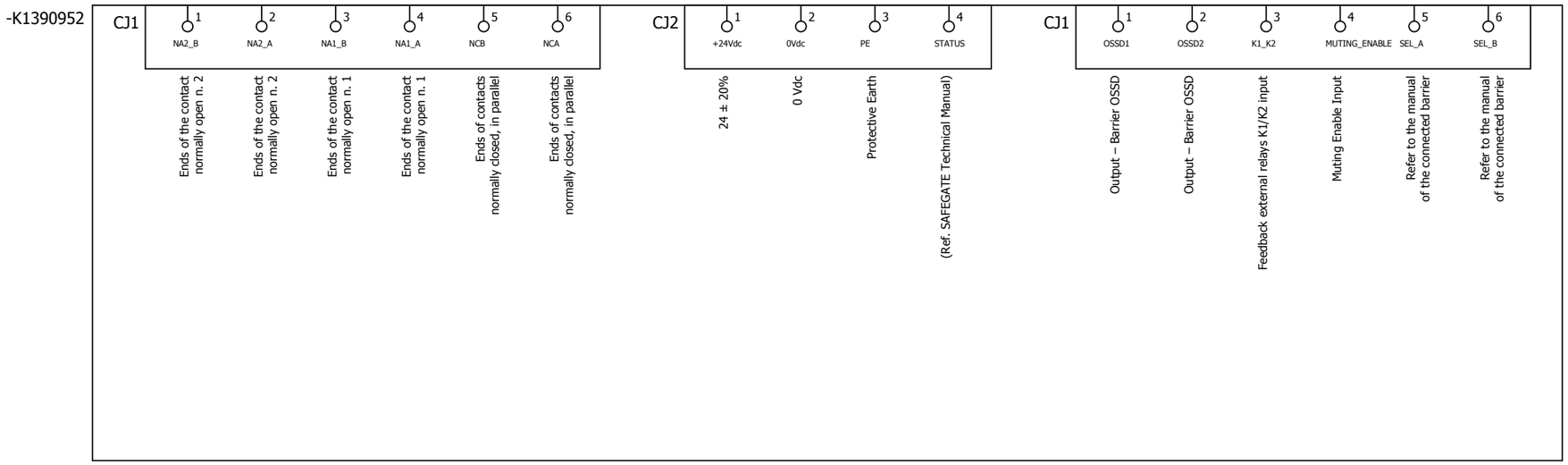
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F06_002_REER

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	LAY	1390955	SAFEGATE M SG BOX PLUS - Connection box with enhanced relays		20/10/2021	REER
	LAY	1390956	SAFEGATE M SGO BOX PLUS - Connection box with enhanced relays		20/10/2021	REER
	LAY	1390957	SAFEGATE M SG BOX OSSD - Connection box ossd output only		20/10/2021	REER
	LAY	1390958	SAFEGATE M SGO BOX OSSD - Connection box ossd output only		20/10/2021	REER
	LAY	1390959	SAFEGATE M SG BOX RST - Connection box with restart command only		20/10/2021	REER
	LAY	1390960	SAFEGATE M SG BOX RST P - Connection box with restart command only and I/O modules output		20/10/2021	REER
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	PL	1.a	Part list		20/10/2021	REER



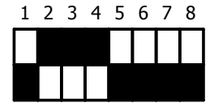
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SEE MANUAL FOR THE ALLOWED AND NOT ALLOWED CONFIGURATIONS.



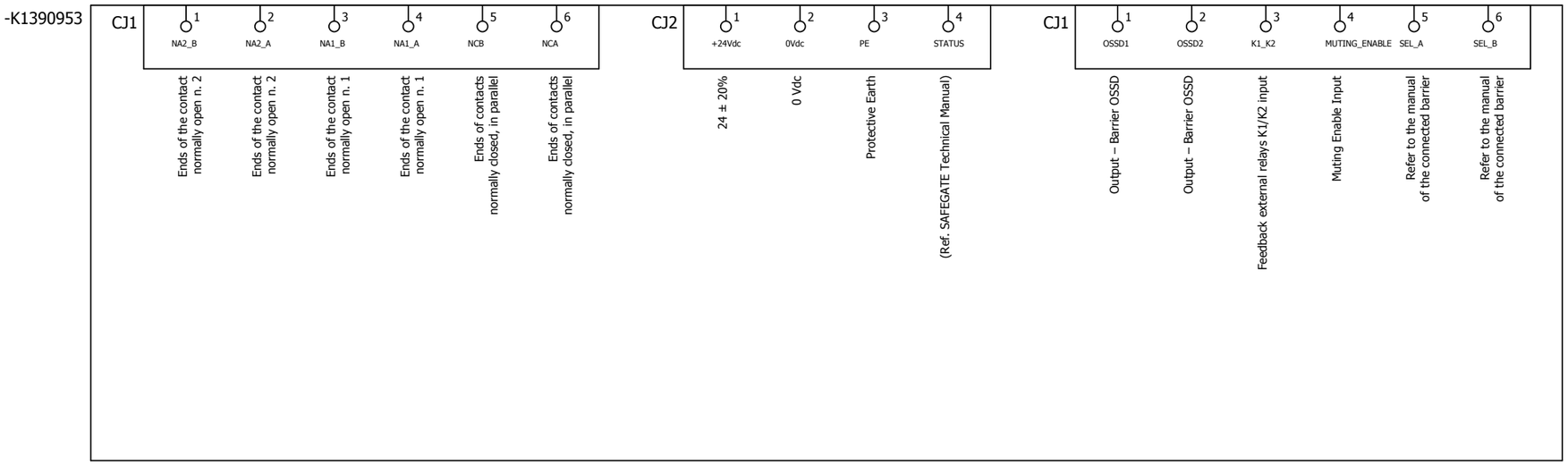
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			Appr					Page 1390952
Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty 37



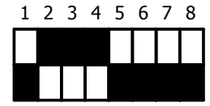
SELECTION OF MUTING MODE AND TIMEOUT (DIP-SWITCH)
SEE MANUAL FOR THE ALLOWED AND NOT ALLOWED CONFIGURATIONS.



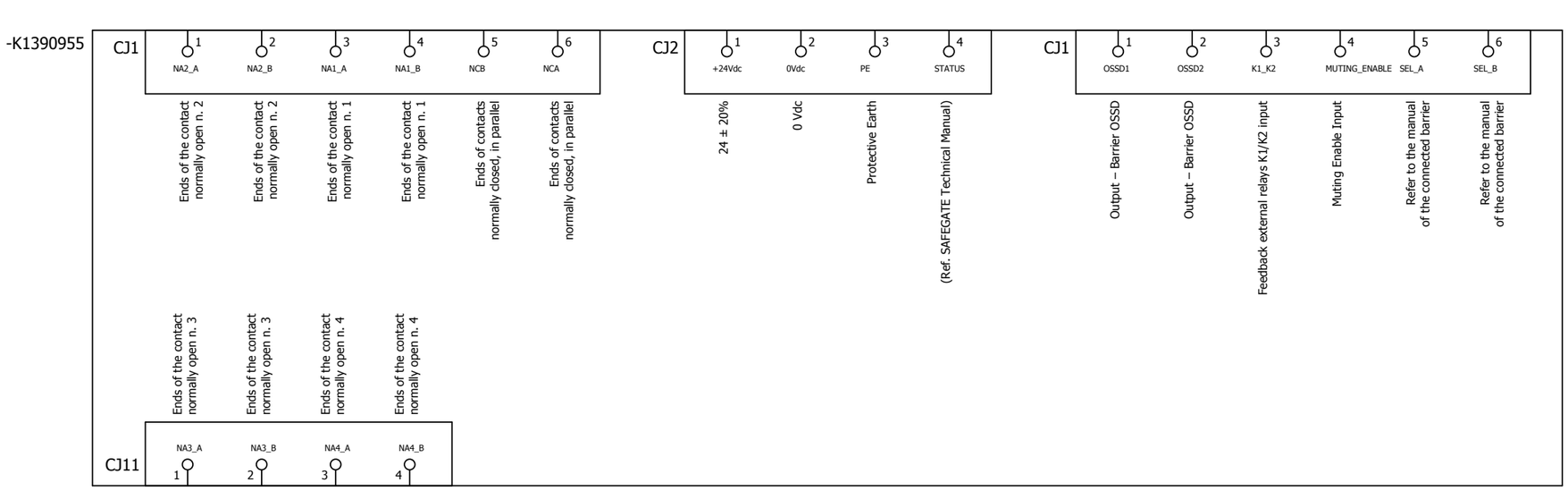
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Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37



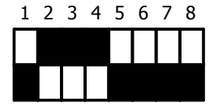
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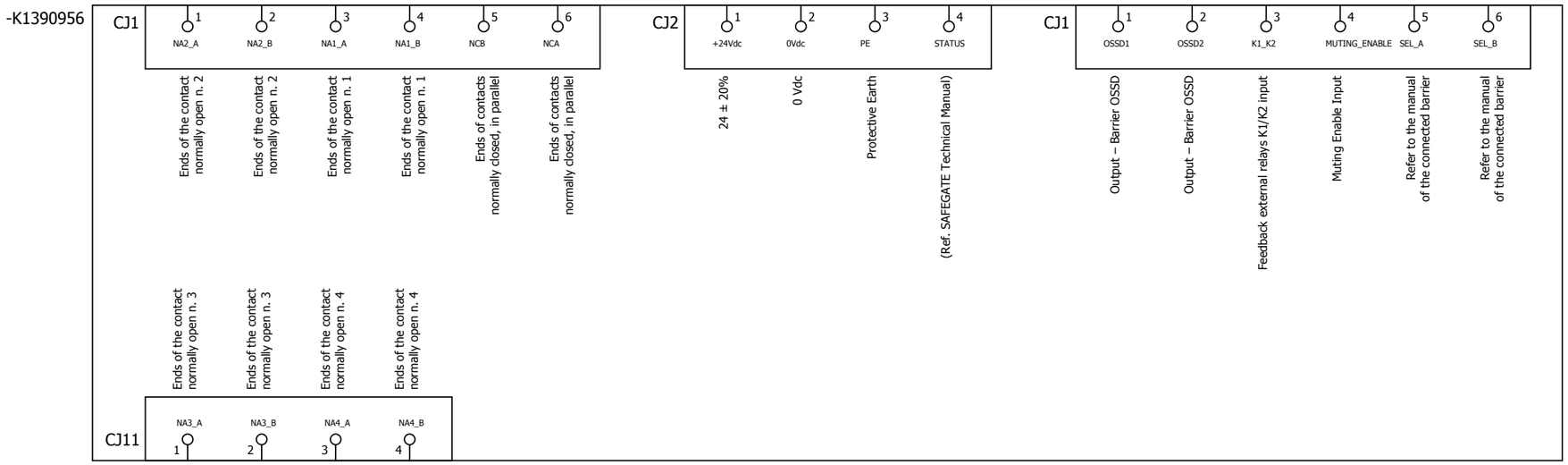
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Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty 37



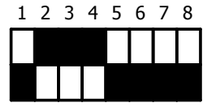
SELECTION OF MUTING MODE AND TIMEOUT (DIP-SWITCH)
SEE MANUAL FOR THE ALLOWED AND NOT ALLOWED CONFIGURATIONS.



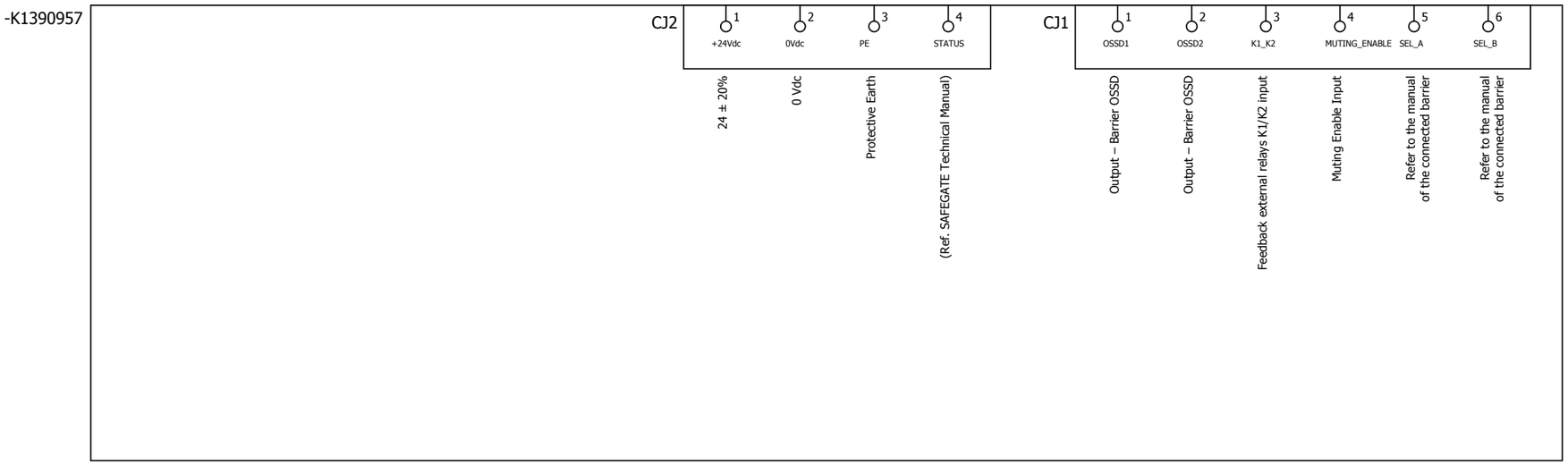
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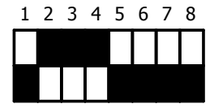
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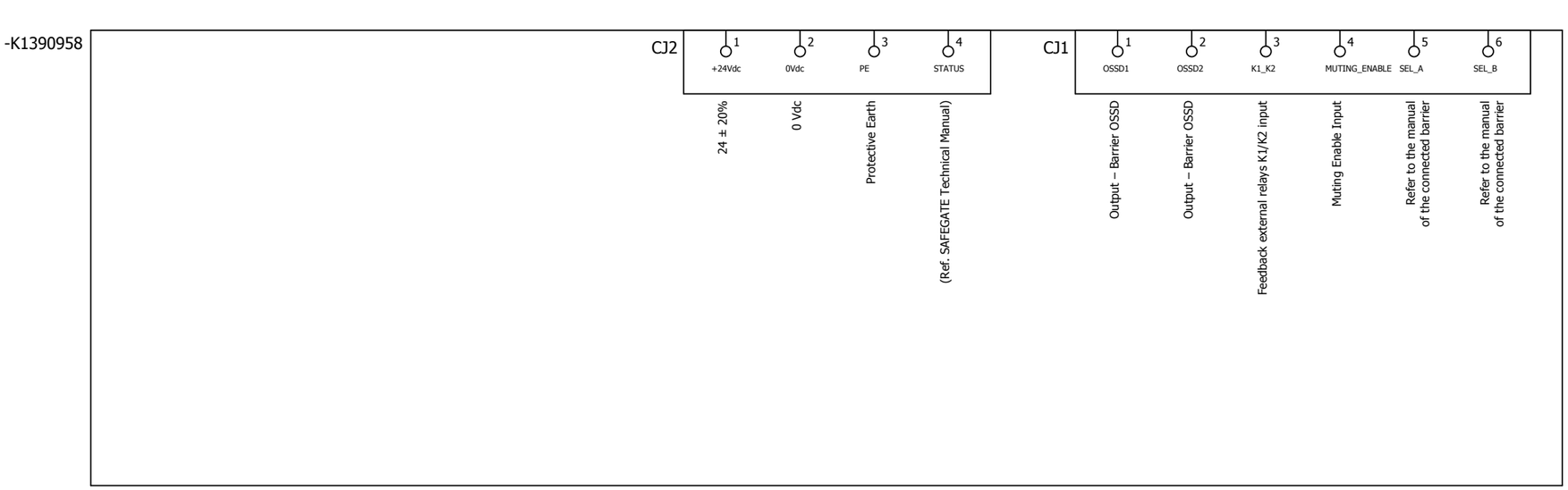
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Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty 37



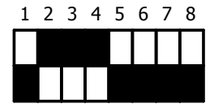
SELECTION OF MUTING MODE AND TIMEOUT (DIP-SWITCH)
SEE MANUAL FOR THE ALLOWED AND NOT ALLOWED CONFIGURATIONS.



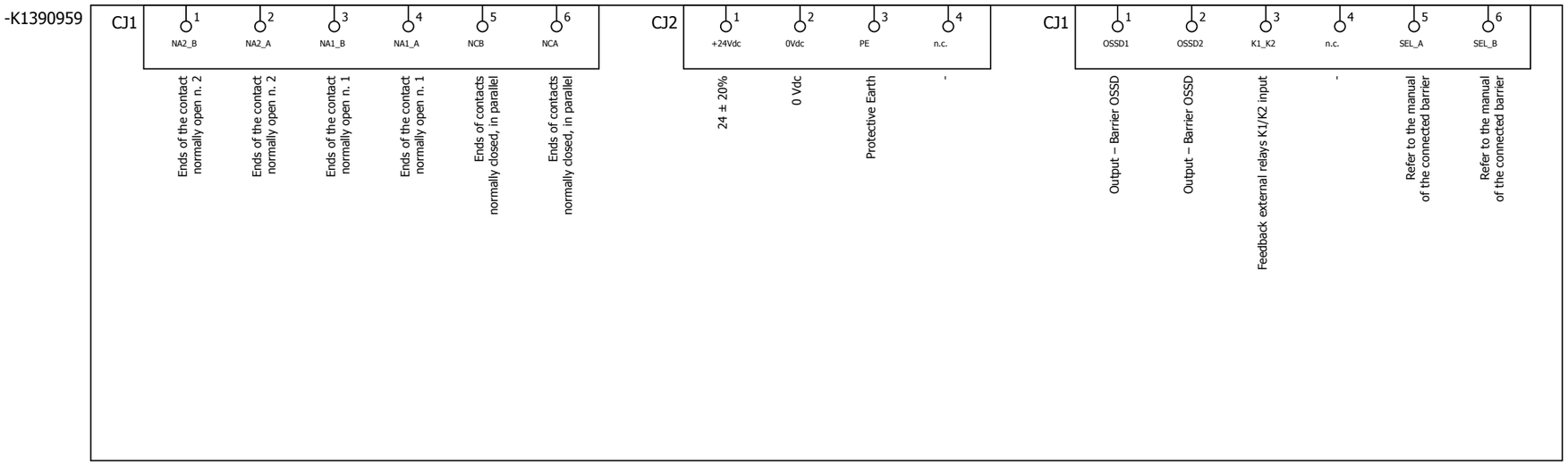
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Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty 37



SELECTION OF MUTING MODE AND TIMEOUT (DIP-SWITCH)
SEE MANUAL FOR THE ALLOWED AND NOT ALLOWED CONFIGURATIONS.



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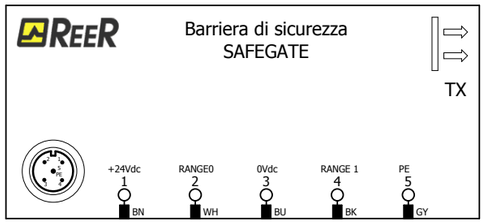
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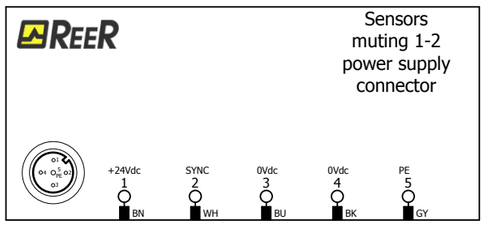
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Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty 37

SMO MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual

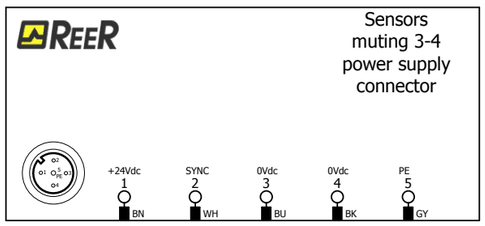
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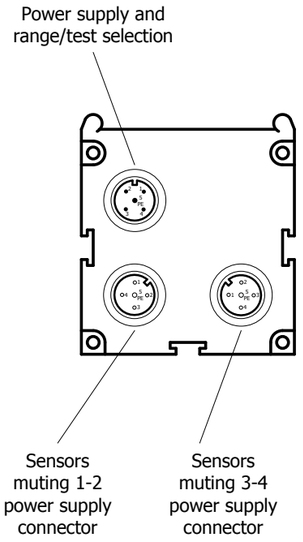


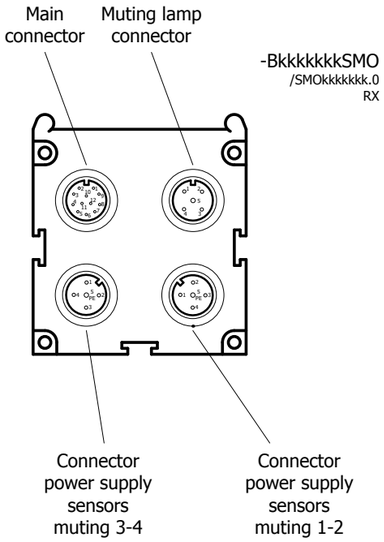
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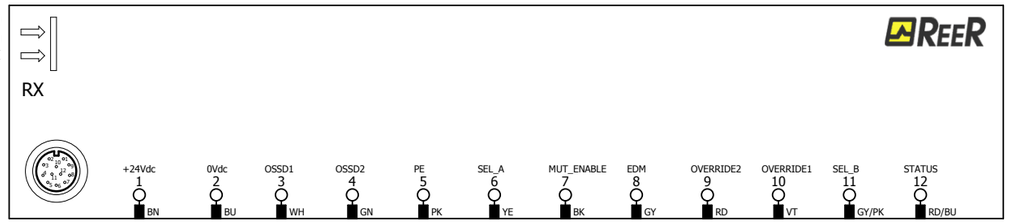




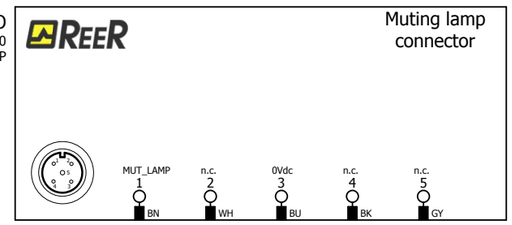


SMO MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual

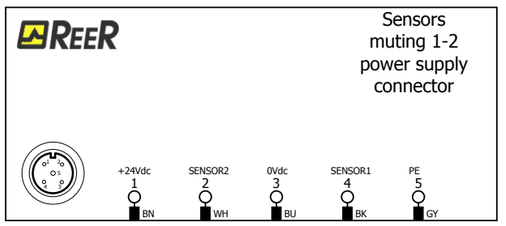
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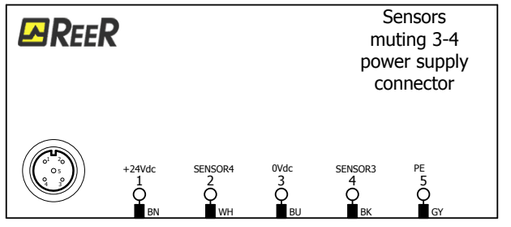
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S3-4



WARNING
This macro is generic, usable for all products of the SAFEGATE SMO series

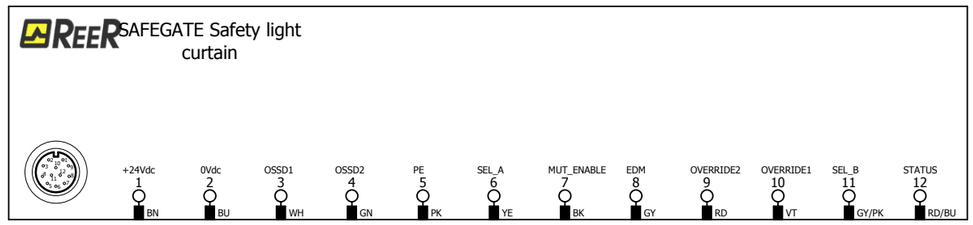
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Order number: complete the numeric code product (example, kkkkkkk ---> 1390246).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390246).

SAFEGATE SMO
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
Allows integration with external Muting sensors that are directly connected to the connectors installed on the curtain.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

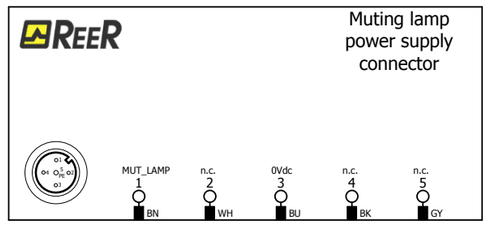
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			Ed.	REER					+ SYM
			Appr	CC	Safety light curtains				Page SMOkkkkkkk
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

SMO_TRX MODELS ELECTRICAL CONNECTIONS
ACTIVE ELEMENT CONNECTIONS
See installation, use and maintenance manual

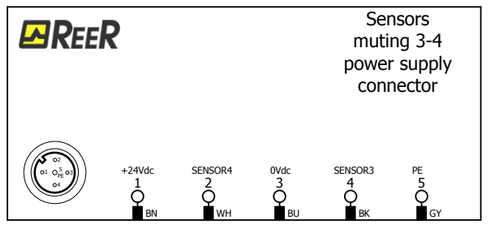
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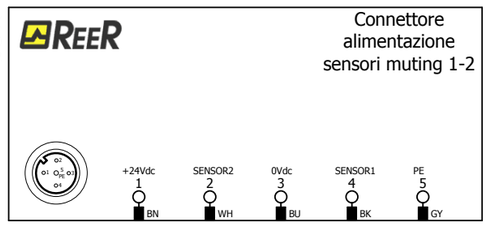
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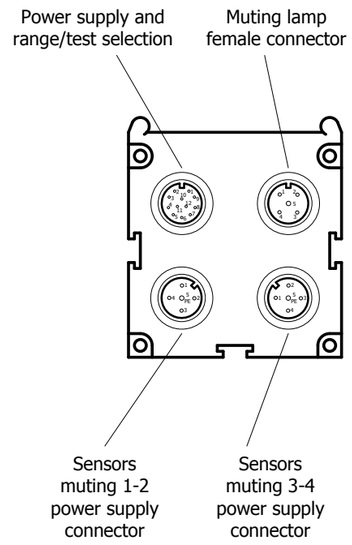


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S1-2





WARNING
This macro is generic, usable for all products of the SAFEGATE SMO TRX series

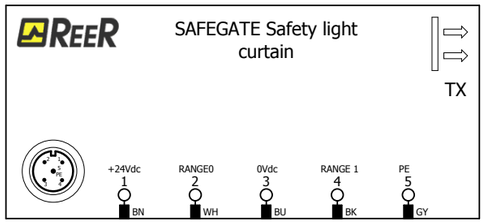
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Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390650).

SAFEGATE SMO TRX
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
Allows integration with external Muting sensors that are directly connected to the connectors installed on the curtain.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

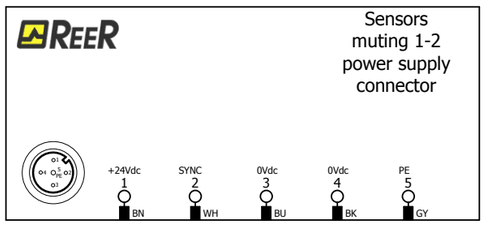
			Date	20/10/2021	ReeR - Safegate		SAFEGATE SMO KKKK TRX Light curtain with Muting functions integrated	KKKKKKK	= SAFEGATE
			Ed.	REER					+ SYM
			Appr	CC	Safety light curtains				Tag SMOkkkkkkk_TRX
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

SMPO MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual

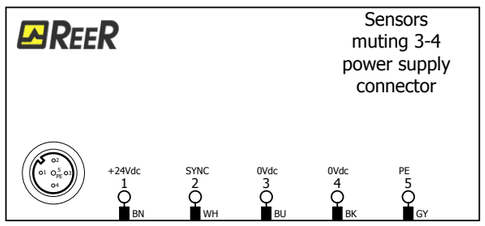
-BkkkkkkkSMPO
/SMPOkkkkkkk.0
/SMPOkkkkkkk.0
/SMPOkkkkkkk.5
/SMPOkkkkkkk.7
/SMPOkkkkkkk.7
/SMPOkkkkkkk.7
TX
RER.SMPOkkkkkkk

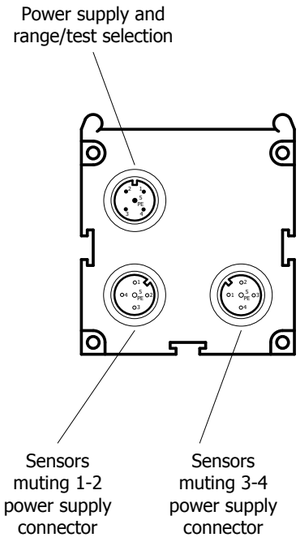


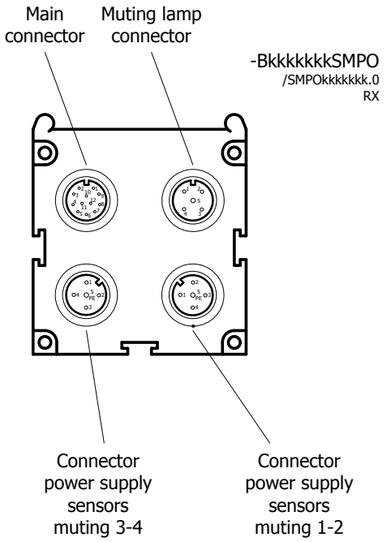
-BkkkkkkkSMPO
/SMPOkkkkkkk.0
S1-2



-BkkkkkkkSMPO
/SMPOkkkkkkk.0
S3-4

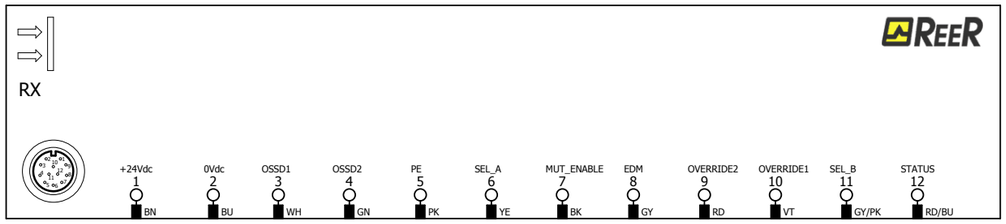




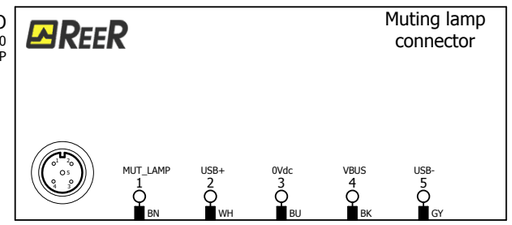


SMPO MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual

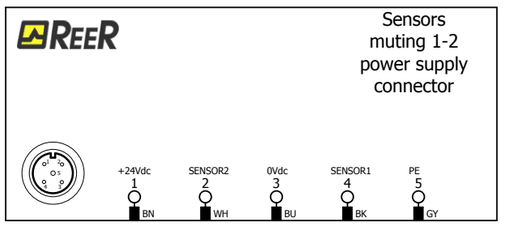
-BkkkkkkkSMPO
/SMPOkkkkkkk.0
RX



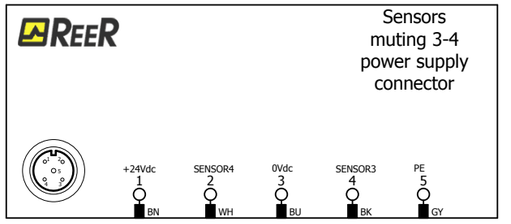
-BkkkkkkkSMPO
/SMPOkkkkkkk.0
LAMP



-BkkkkkkkSMPO
/SMPOkkkkkkk.0
S1-2



-BkkkkkkkSMPO
/SMPOkkkkkkk.0
S3-4



WARNING
This macro is generic, usable for all products of the SAFEGATE SMPO series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.SMPOkkkkkkk.
Change the following article fields:
Article number: complete the numeric code product (example, RER.SMPOkkkkkkk ---> RER.1390286).
Designation 1: complete the alphanumeric code product (example, SAFEGATE SMPO KKKK ---> SAFEGATE SMPO 1053).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390286).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390286).

SAFEGATE SMPO
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
Allows integration with external Muting sensors that are directly connected to the connectors installed on the curtain.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

SMPO_TRX MODELS ELECTRICAL CONNECTIONS
ACTIVE ELEMENT CONNECTIONS
See installation, use and maintenance manual

-BkkkkkkkSMPO_TRX
/SMPOkkkkkkk_TRX.0
/SMPOkkkkkkk_TRX.0
/SMPOkkkkkkk_TRX.3
RX
RER.SMPOkkkkkkk_TRX

SAFEGATE Safety light curtain



	+24Vdc	0Vdc	OSSD1	OSSD2	PE	SEL_A	MUT_ENABLE	EDM	OVERRIDE2	OVERRIDE1	SEL_B	STATUS
	1	2	3	4	5	6	7	8	9	10	11	12
	BN	BU	WH	GN	PK	YE	BK	GY	RD	VT	GY/PK	RD/BU

-BkkkkkkkSMPO_TRX
/SMPOkkkkkkk_TRX.0
LAMP

Muting lamp power supply connector



	MUT_LAMP	USB+	0Vdc	VBUS	USB-
	1	2	3	4	5
	BN	WH	BU	BK	

-BkkkkkkkSMPO_TRX
/SMPOkkkkkkk_TRX.0
S3-4

Sensors muting 3-4 power supply connector



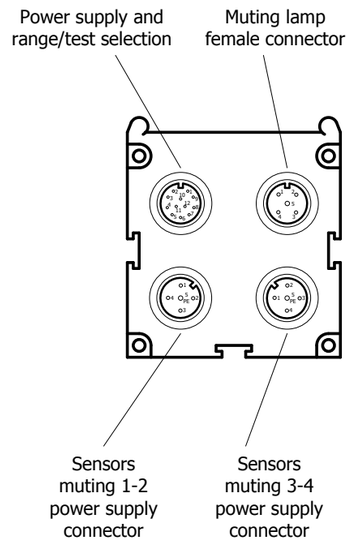
	+24Vdc	SENSOR4	0Vdc	SENSOR3	PE
	1	2	3	4	5
	BN	WH	BU	BK	GY

-BkkkkkkkSMPO_TRX
/SMPOkkkkkkk_TRX.0
S1-2

Connettore alimentazione sensori muting 1-2



	+24Vdc	SENSOR2	0Vdc	SENSOR1	PE
	1	2	3	4	5
	BN	WH	BU	BK	GY



WARNING
This macro is generic, usable for all products of the SAFEGATE SMPO TRX series

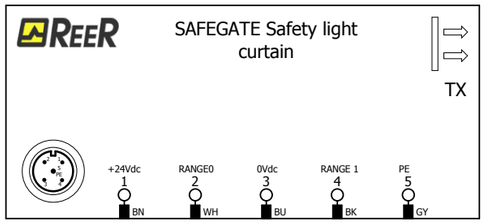
Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.SMPOkkkkkkk_TRX.
Change the following article fields:
Article number: complete the numeric code product (example, RER.SMPOkkkkkkk_TRX ---> RER.1390690).
Designation 1: complete the alphanumeric code product (example, SAFEGATE SMPO KKKK TRX ---> SAFEGATE SMPO 2B TRX).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390690).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390690).

SAFEGATE SMPO TRX
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
Allows integration with external Muting sensors that are directly connected to the connectors installed on the curtain.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

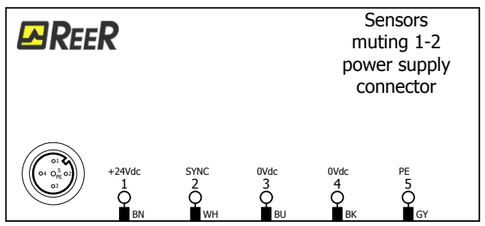
			Date	20/10/2021	ReeR - Safegate	SAFEGATE SMPO KKKK TRX Light curtain with Muting functions integrated	KKKKKKK = SAFEGATE + SYM
			Ed.	REER			
			Appr	CC	Safety light curtains		Page SMPOkkkkkkk_TRX
Modification	Date	Name	Original		Replacement of / Replaced by		Sh. q.ty 37

SM MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual

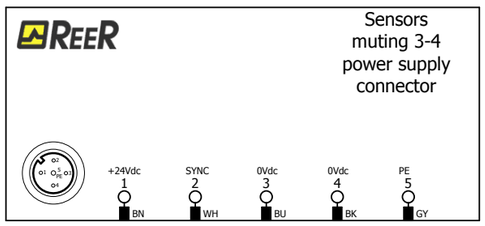
-BkkkkkkkSM
/SMkkkkkkk.0
/SMkkkkkkk.0
/SMkkkkkkk.5
/SMkkkkkkk.7
/SMkkkkkkk.7
/SMkkkkkkk.7
TX
RER.SMkkkkkkk

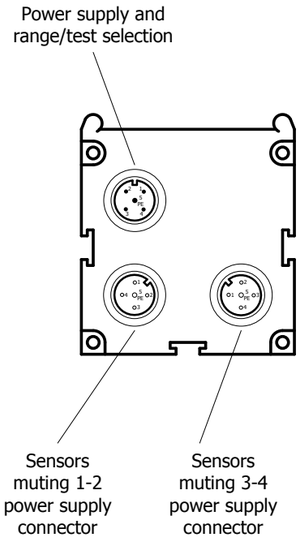


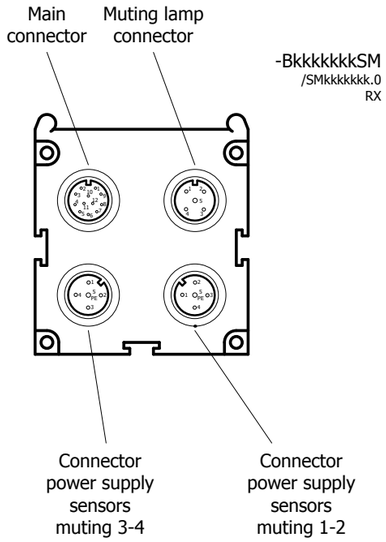
-BkkkkkkkSM
/SMkkkkkkk.0
S1-2



-BkkkkkkkSM
/SMkkkkkkk.0
S3-4

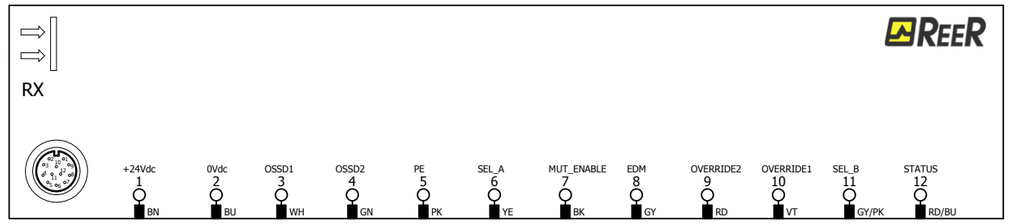




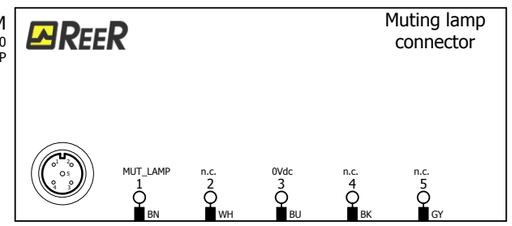


SM MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual

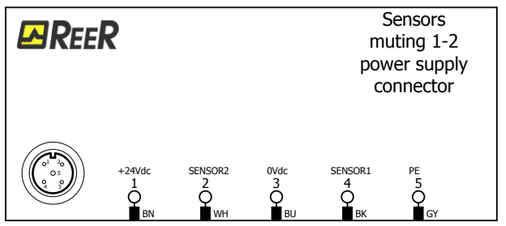
-BkkkkkkkSM
/SMkkkkkkk.0
RX



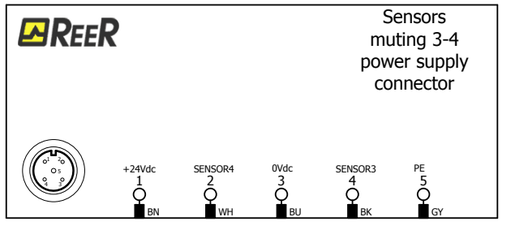
-BkkkkkkkSM
/SMkkkkkkk.0
LAMP



-BkkkkkkkSM
/SMkkkkkkk.0
S1-2



-BkkkkkkkSM
/SMkkkkkkk.0
S3-4



WARNING
This macro is generic, usable for all products of the SAFEGATE SM series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.SMkkkkkkk.
Change the following article fields:
Article number: complete the numeric code product (example, RER.SMkkkkkkk ---> RER.1390226).
Designation 1: complete the alphanumeric code product (example, SAFEGATE SM KKKK ---> SAFEGATE SM 1053).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390226).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390226).

SAFEGATE SM
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
Allows integration with external Muting sensors that are directly connected to the connectors installed on the curtain.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

< SMPOkkkkkkk_TRX

SMkkkkkkk_TRX >

SM_TRX MODELS ELECTRICAL CONNECTIONS
ACTIVE ELEMENT CONNECTIONS
See installation, use and maintenance manual

-BkkkkkkkSM_TRX
/SMkkkkkkk_TRX.0
/SMkkkkkkk_TRX.0
/SMkkkkkkk_TRX.3
RX
RER.SMkkkkkkk_TRX

SAFEGATE Safety light curtain



+24Vdc	0Vdc	OSSD1	OSSD2	PE	SEL_A	MUT_ENABLE	EDM	OVERRIDE2	OVERRIDE1	SEL_B	STATUS
1	2	3	4	5	6	7	8	9	10	11	12
BN	BU	WH	GN	PK	YE	BK	GY	RD	VT	GY/PK	RD/BU

-BkkkkkkkSM_TRX
/SMkkkkkkk_TRX.0
LAMP

Muting lamp power supply connector



MUT_LAMP	n.c.	0Vdc	n.c.	n.c.
1	2	3	4	5
BN	WH	BU	BK	GY

-BkkkkkkkSM_TRX
/SMkkkkkkk_TRX.0
S3-4

Sensors muting 3-4 power supply connector



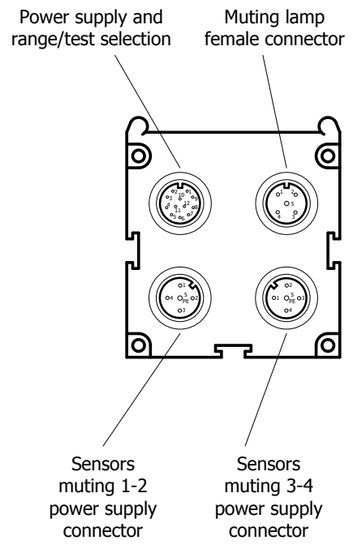
+24Vdc	SENSOR4	0Vdc	SENSOR3	PE
1	2	3	4	5
BN	WH	BU	BK	GY

-BkkkkkkkSM_TRX
/SMkkkkkkk_TRX.0
S1-2

Connettore alimentazione sensori muting 1-2



+24Vdc	SENSOR2	0Vdc	SENSOR1	PE
1	2	3	4	5
BN	WH	BU	BK	GY



WARNING
This macro is generic, usable for all products of the SAFEGATE SM TRX series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.SMkkkkkkk_TRX.
Change the following article fields:
Article number: complete the numeric code product (example, RER.SMkkkkkkk_TRX ---> RER.1390630).
Designation 1: complete the alphanumeric code product (example, SAFEGATE SMKKKK TRX ---> SAFEGATE 2B TRX).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390630).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390630).

SAFEGATE SM TRX
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
Allows integration with external Muting sensors that are directly connected to the connectors installed on the curtain.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

			Date	20/10/2021	ReeR - Safegate	
			Ed.	REER		
			Appr	CC	Safety light curtains	
Modification	Date	Name	Original		Replacement of	Replaced by

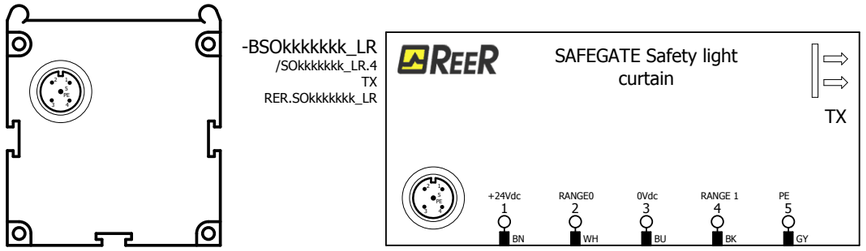
SAFEGATE SM KKKK TRX
Light curtain with Muting functions integrated

KKKKKKK

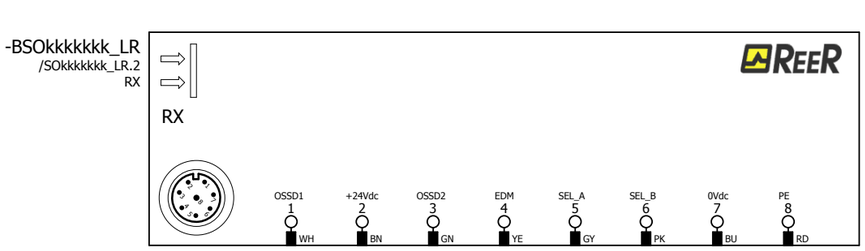
= SAFEGATE
+ SYM

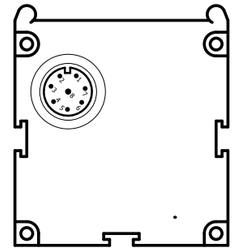
Page SMkkkkkkk_TRX
Sh. q.ty 37

SO_LR MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual



SO_LR MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual





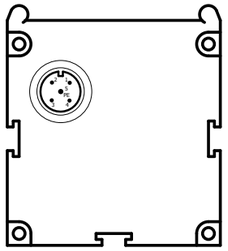
WARNING
This macro is generic, usable for all products of the SAFEGATE SO LR series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.SOkkkkkkk_LR.
Change the following article fields:
Article number: complete the numeric code product (example, RER.SOkkkkkkk_LR ---> RER.1390016).
Designation 1: complete the alphanumeric code product (example, SAFEGATE SO KKKK LR ---> SAFEGATE SO 2B LR).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390016).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390016).

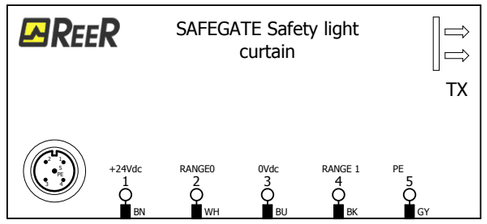
SAFEGATE SO LR
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

			Date	20/10/2021	ReeR - Safegate		SAFEGATE SO KKKK Light curtain without Muting functions integrated	KKKKKKK	= SAFEGATE
			Ed.	REER					+ SYM
			Appr	CC	Safety light curtains				Page SOkkkkkkk_LR
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

SO_LR-A MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual

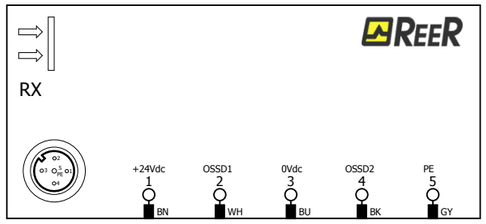


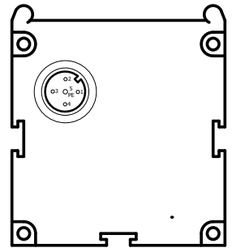
-BSOkkkkkkk_LR-A
/SOkkkkkkk_LR-A.5
TX
RER.SOkkkkkkk_LR-A



SO_LR-A MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual

-BSOkkkkkkk_LR-A
/SOkkkkkkk_LR-A.2
RX





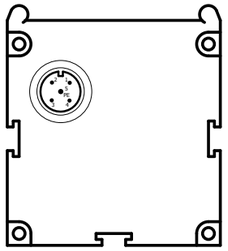
WARNING
This macro is generic, usable for all products of the SAFEGATE SO LR-A series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.SOkkkkkkk_LR-A.
Change the following article fields:
Article number: complete the numeric code product (example, RER.SOkkkkkkk_LR-A ---> RER.1390056).
Designation 1: complete the alphanumeric code product (example, SAFEGATE SO KKKK LR-A ---> SAFEGATE SO 2B LR-A).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390056).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390056).

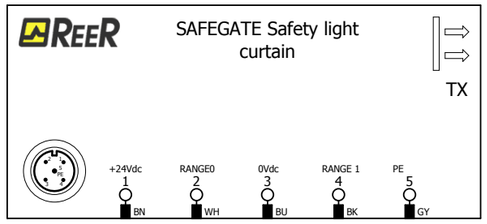
SAFEGATE S LR-A
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

			Date	20/10/2021	ReeR - Safegate		SAFEGATE SO KKKK Light curtain without Muting functions integrated	KKKKKKK	= SAFEGATE
			Ed.	REER					+ SYM
			Appr	CC	Safety light curtains				Page SOkkkkkkk_LR-A
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

SO_LR-A_ILP MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual

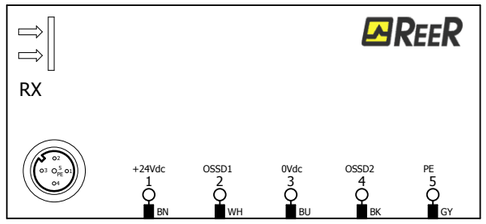


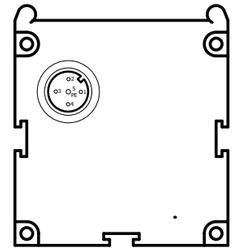
-BSOkkkkkkk_LR-A_ILP
/SOkkkkkkk_LR-A_ILP.5
TX
RER.SOkkkkkkk_LR-A_ILP



SO_LR-A_ILP MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual

-BSOkkkkkkk_LR-A_ILP
/SOkkkkkkk_LR-A_ILP.2
RX





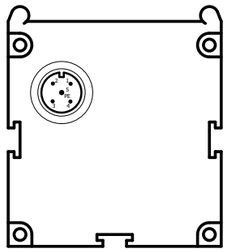
WARNING
This macro is generic, usable for all products of the SAFEGATE SO LR-A ILP series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.SOkkkkkkk_LR-A_ILP.
Change the following article fields:
Article number: complete the numeric code product (example, RER.SOkkkkkkk_LR-A_ILP ---> RER.1390076).
Designation 1: complete the alphanumeric code product (example, SAFEGATE SO KKKK LR-A ILP ---> SAFEGATE SO 2B LR-A ILP).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390057).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390057).

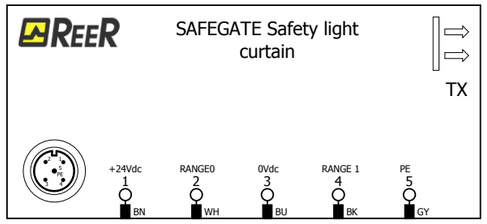
SAFEGATE S LR-A_LIP
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

			Date	20/10/2021	ReeR - Safegate		SAFEGATE SO KKKK	KKKKKKK	= SAFEGATE
			Ed.	REER			Light curtain without Muting functions integrated		+ SYM
			Appr	CC	Safety light curtains				SOKkkkkkk_LR-A_ILP
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

SO_LR_ILP MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual

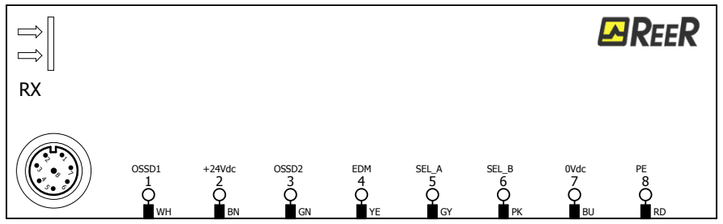


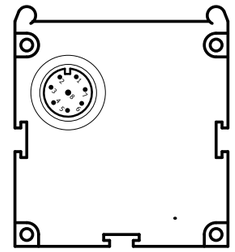
-BSOkkkkkkk_LR_ILP
/SOkkkkkkk_LR_ILP.5
TX
RER.Skkkkkkk_LR_ILP



SO_LR_ILP MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual

-BSOkkkkkkk_LR_ILP
/SOkkkkkkk_LR_ILP.2
RX





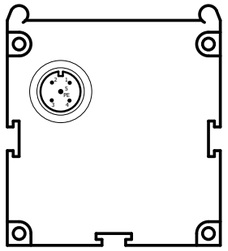
WARNING
This macro is generic, usable for all products of the SAFEGATE S LR ILP series

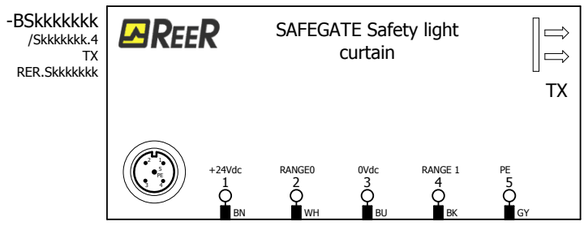
Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.Skkkkkkk_LR_ILP.
Change the following article fields:
Article number: complete the numeric code product (example, RER.Skkkkkkk_LR_ILP ---> RER.1390033).
Designation 1: complete the alphanumeric code product (example, SAFEGATE S KKKK LR ILP ---> SAFEGATE S 2B LR ILP).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390033).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390033)

SAFEGATE SO LR ILP
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

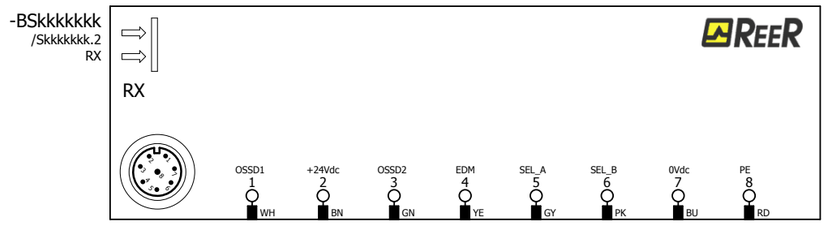
			Date	20/10/2021	ReeR - Safegate		SAFEGATE SO KKKK Light curtain without Muting functions integrated	KKKKKKK	= SAFEGATE
			Ed.	REER					+ SYM
			Appr	CC	Safety light curtains				Page Skkkkkkk_LR_ILP
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

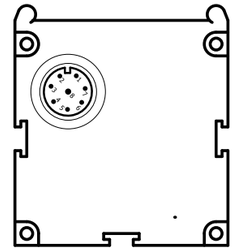
S MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual





S MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual





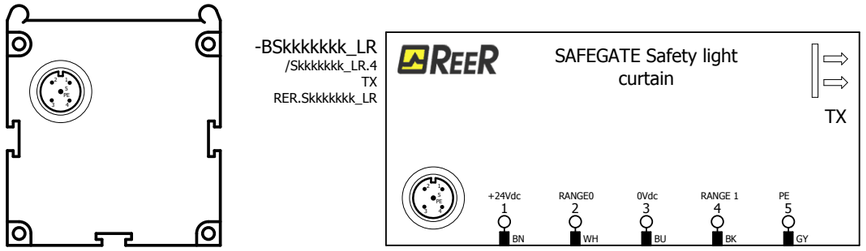
WARNING
This macro is generic, usable for all products of the SAFEGATE S series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.Skkkkkkk.
Change the following article fields:
Article number: complete the numeric code product (example, RER.Skkkkkkk ---> RER.1390600).
Designation 1: complete the alphanumeric code product (example, SAFEGATE S KKKK ---> SAFEGATE S 2B).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390600).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390600).

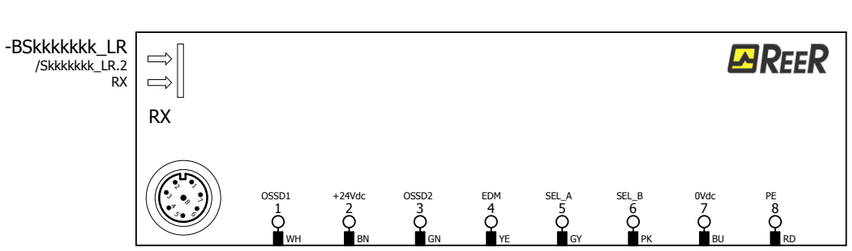
SAFEGATE S
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

			Date	20/10/2021	ReeR - Safegate		SAFEGATE S KKKK Light curtain without Muting functions integrated	KKKKKKK	= SAFEGATE
			Ed.	REER					+ SYM
			Appr	CC	Safety light curtains				Page Skkkkkkk
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

S_LR MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual



S_LR MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual



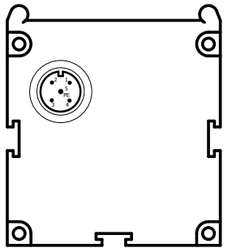
WARNING
This macro is generic, usable for all products of the SAFEGATE S LR series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.Skkkkkkk_LR.
Change the following article fields:
Article number: complete the numeric code product (example, RER.Skkkkkkk_LR ---> RER.1390013).
Designation 1: complete the alphanumeric code product (example, SAFEGATE S KKKK LR ---> SAFEGATE S 2B LR).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390013).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390013).

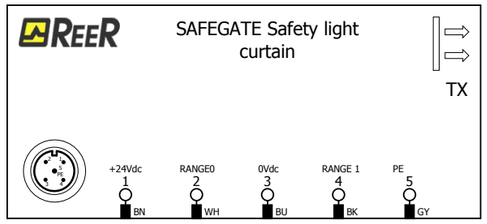
SAFEGATE S LR
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

			Date	20/10/2021	ReeR - Safegate		SAFEGATE S KKKK Light curtain without Muting functions integrated	KKKKKKK	= SAFEGATE
			Ed.	REER					+ SYM
			Appr	CC	Safety light curtains				Page Skkkkkkk_LR
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

S_LR-A MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual

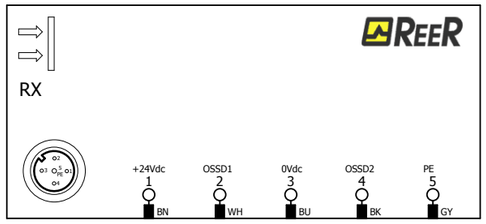


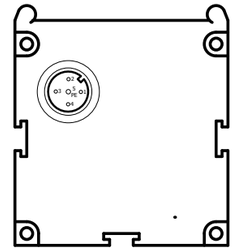
-BSkkkkkkk_LR-A
/Skkkkkkk_LR-A.5
TX
RER.Skkkkkkk_LR-A



S_LR-A MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual

-BSkkkkkkk_LR-A
/Skkkkkkk_LR-A.2
RX





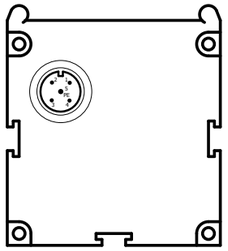
WARNING
This macro is generic, usable for all products of the SAFEGATE S LR-A series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.Skkkkkkk_LR-A.
Change the following article fields:
Article number: complete the numeric code product (example, RER.Skkkkkkk_LR-A ---> RER.1390053).
Designation 1: complete the alphanumeric code product (example, SAFEGATE S KKKK LR-A ---> SAFEGATE S 2B LR-A).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390053).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390053).

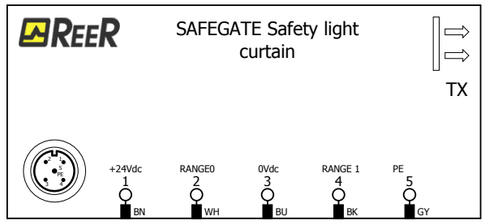
SAFEGATE S LR-A
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

			Date	20/10/2021	ReeR - Safegate		SAFEGATE S KKKK Light curtain without Muting functions integrated	KKKKKKK	= SAFEGATE
			Ed.	REER					+ SYM
			Appr	CC	Safety light curtains				Page Skkkkkkk_LR-A
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

S_LR-A_ILP MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual

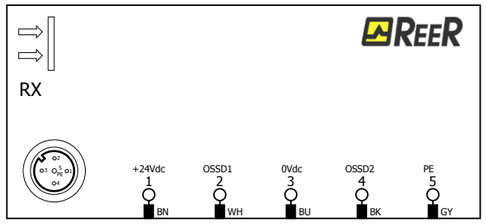


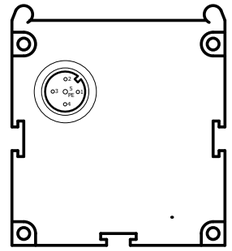
-BSkkkkkkk_LR-A_ILP
/Skkkkkkk_LR-A_ILP.5
TX
RER.Skkkkkkk_LR-A_ILP



S_LR-A_ILP MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual

-BSkkkkkkk_LR-A_ILP
/Skkkkkkk_LR-A_ILP.2
RX





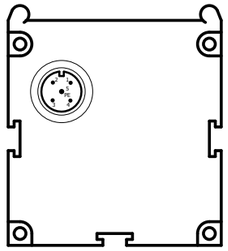
WARNING
This macro is generic, usable for all products of the SAFEGATE S LR-A ILP series

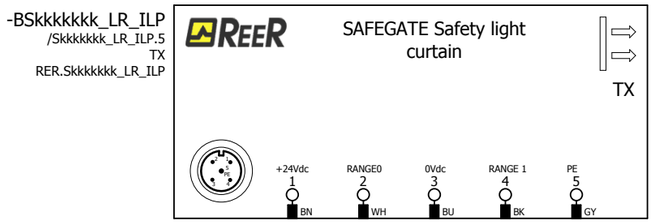
Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.Skkkkkkk_LR-A_ILP.
Change the following article fields:
Article number: complete the numeric code product (example, RER.Skkkkkkk_LR-A_ILP ---> RER.1390073).
Designation 1: complete the alphanumeric code product (example, SAFEGATE S KKKK LR-A ILP ---> SAFEGATE S 2B LR-A ILP).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390073).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390073).

SAFEGATE S LR-A ILP
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

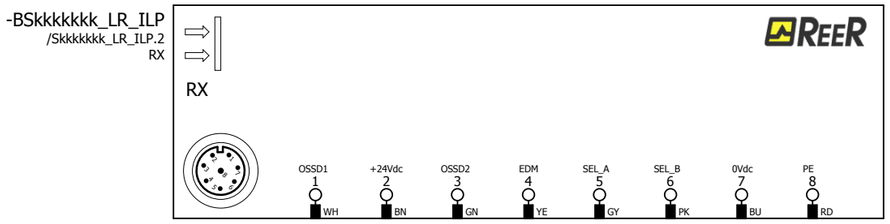
			Date	20/10/2021	ReeR - Safegate Safety light curtains		SAFEGATE S KKKK Light curtain without Muting functions integrated	KKKKKKK	= SAFEGATE + SYM
			Ed.	REER					
			Appr	CC					Skkkkkkk_LR-A_ILP
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

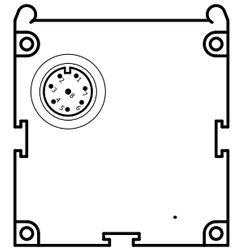
S_LR_ILP MODELS ELECTRICAL CONNECTIONS
EMITTER CONNECTIONS
See installation, use and maintenance manual





S_LR_ILP MODELS ELECTRICAL CONNECTIONS
RECEIVER CONNECTIONS
See installation, use and maintenance manual





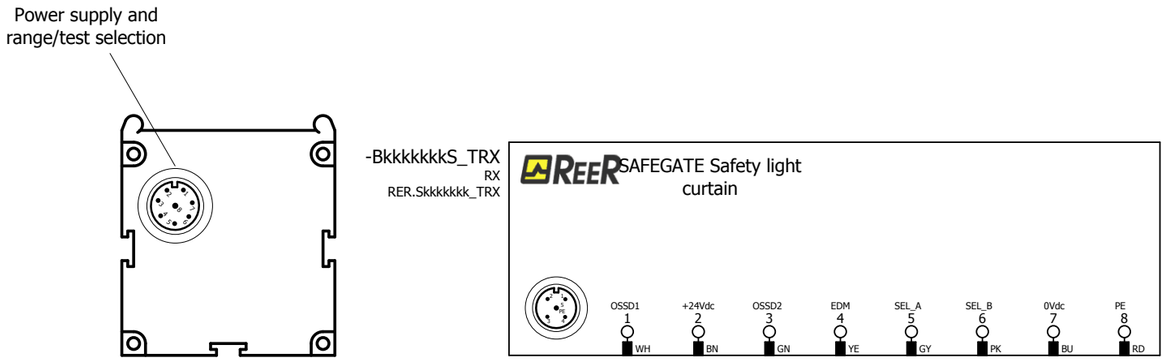
WARNING
This macro is generic, usable for all products of the SAFEGATE S LR ILP series

Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.Skkkkkkk_LR_ILP.
Change the following article fields:
Article number: complete the numeric code product (example, RER.Skkkkkkk_LR_ILP ---> RER.1390033).
Designation 1: complete the alphanumeric code product (example, SAFEGATE S KKKK LR ILP ---> SAFEGATE S 2B LR ILP).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390033).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390033)

SAFEGATE S LR ILP
Electrosensitive Safety Device (ESPE)
Light curtain composed of Emitter + Receiver with automatic reset.
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

			Date	20/10/2021	ReeR - Safegate		SAFEGATE S KKKK	KKKKKKK	= SAFEGATE
			Ed.	REER			Light curtain without Muting functions integrated		+ SYM
			Appr	CC	Safety light curtains				Page Skkkkkkk_LR_ILP
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

S_TRX MODELS ELECTRICAL CONNECTIONS
ACTIVE ELEMENT CONNECTIONS
See installation, use and maintenance manual

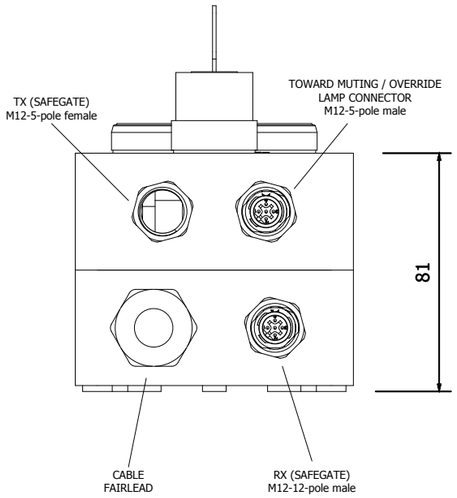


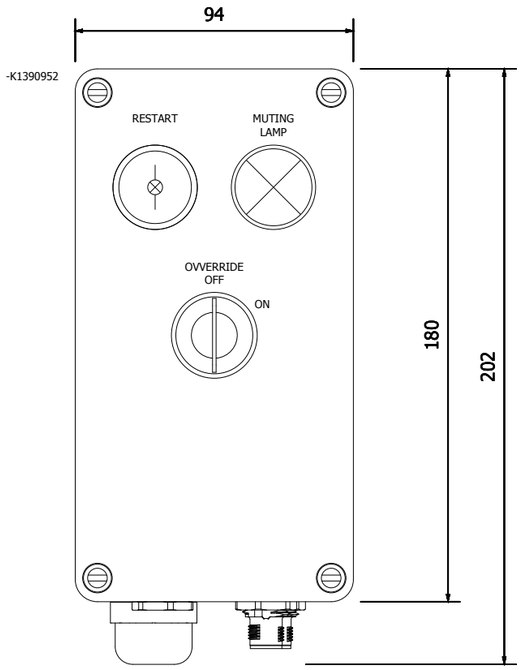
WARNING
This macro is generic, usable for all products of the SAFEGATE S TRX series

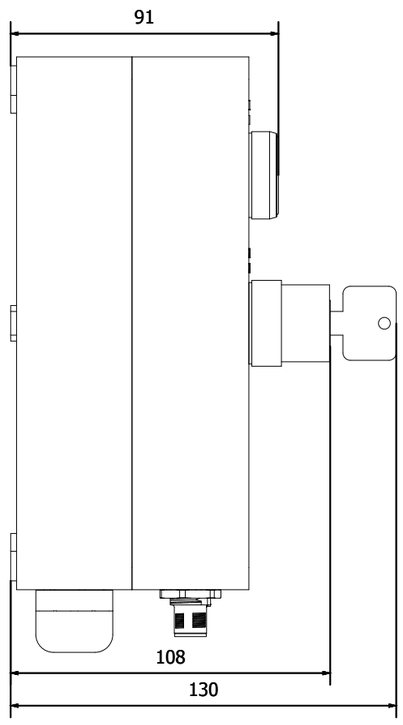
Procedure for customizing the article present in the macro of the selected light curtain scheme.
Open the ePlan article database.
Select the code RER.Skkkkkkk_TRX.
Change the following article fields:
Article number: complete the numeric code product (example, RER.Skkkkkkk_TH ---> RER.1390610).
Designation 1: complete the alphanumeric code product (example, SAFEGATE S KKKK TRX ---> SAFEGATE S 2B TRX).
Order number: complete the numeric code product (example, kkkkkkk ---> 1390610).
Description: complete the numeric code in multilingual (example, kkkkkkk ---> 1390610).

SAFEGATE S TRX
Electrosensitive Safety Device (ESPE)
Light curtain composed of an active and passive element
- Type 4 (according to EN 61496-1: 2013; EN 61496-2: 2013)
- SIL 3 (according to IEC 61508-1 (ed.2); IEC 61508-2: (ed.2); IEC 61508-3: (ed.2); IEC 61508-4: (ed.2))
- SILCL 3 (according to IEC 62061: 2005 / A2: 2015)
- Cat.4 - PL e (according to EN ISO 13849-1: 2015)

1	2	3	4	5	6	7	8	9	10



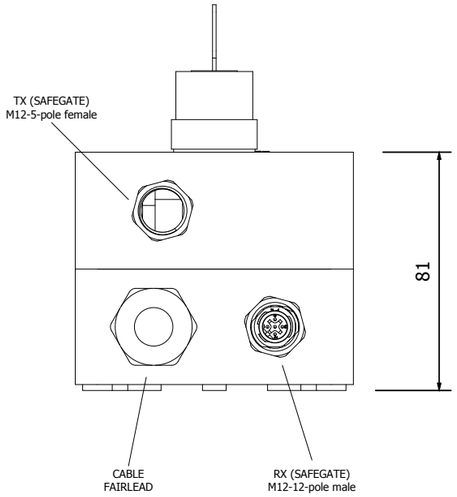


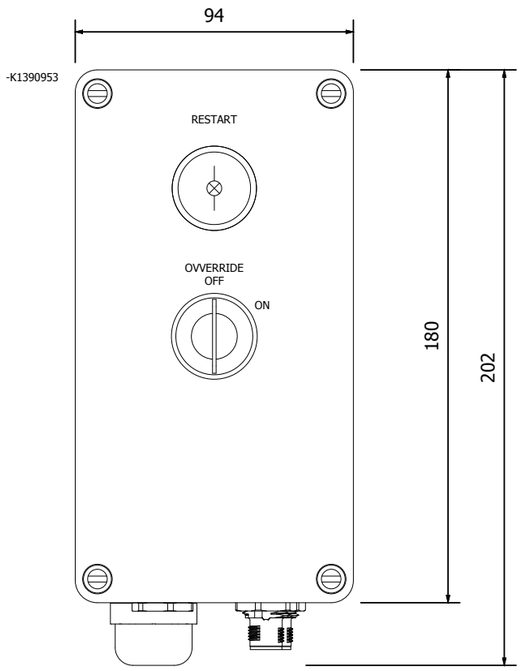


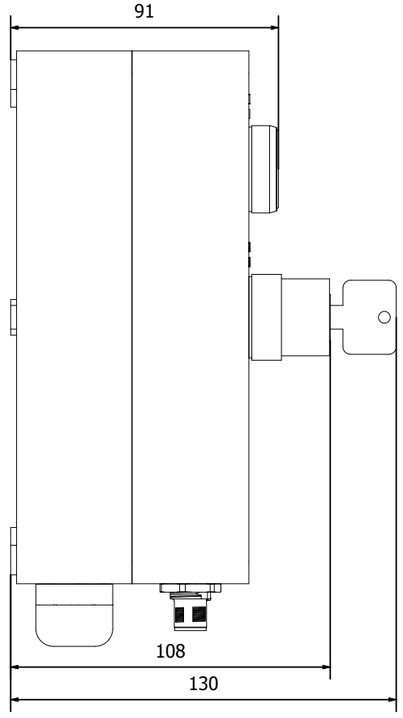
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			Date	20/10/2021	ReeR - Safegate		SAFEGATE M SGO BOX - Connection box		= SAFEGATE
			Ed.	REER					+ LAY
			Appr		Safety light curtains			Page	1390952
Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty	37



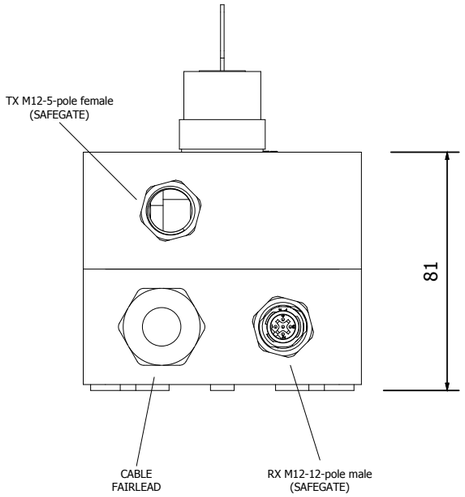


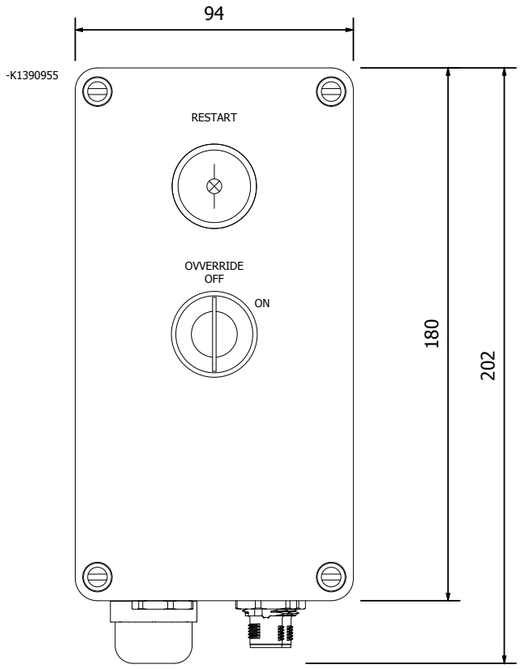


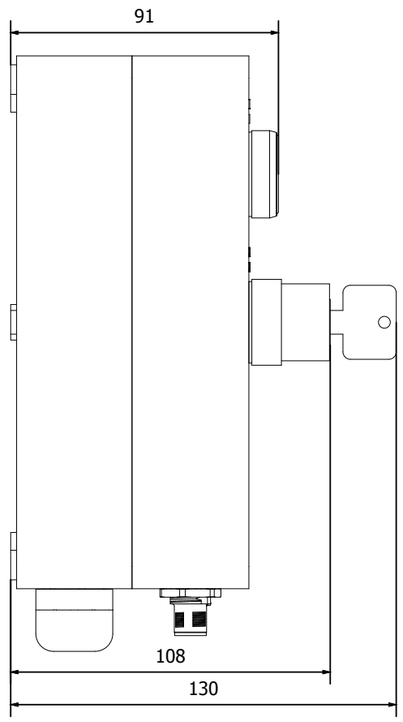
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			Date	20/10/2021	ReeR - Safegate		SAFEGATE M SG BOX - Connection box		= SAFEGATE
			Ed.	REER					+ LAY
			Appr		Safety light curtains				Page 1390953
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37





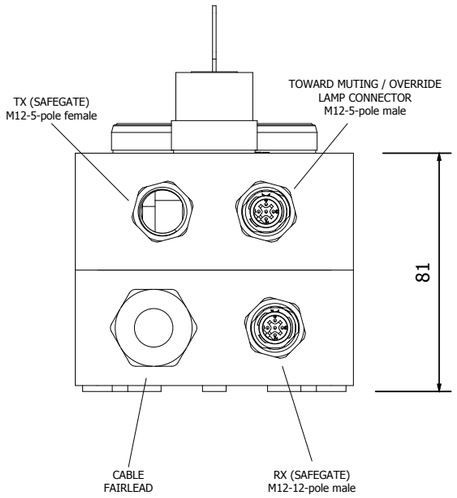


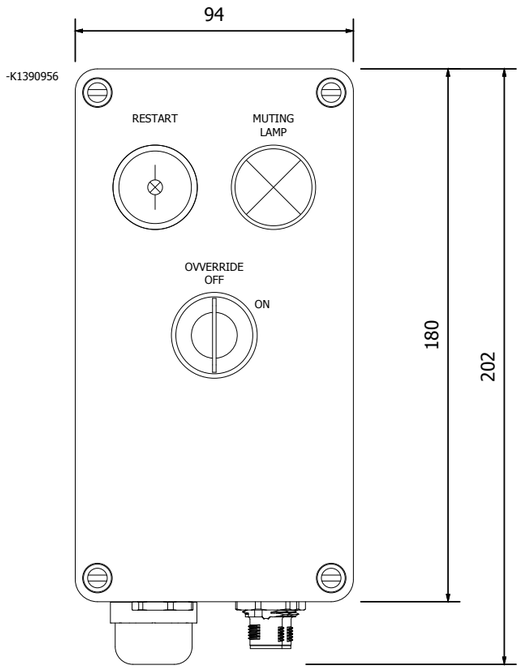
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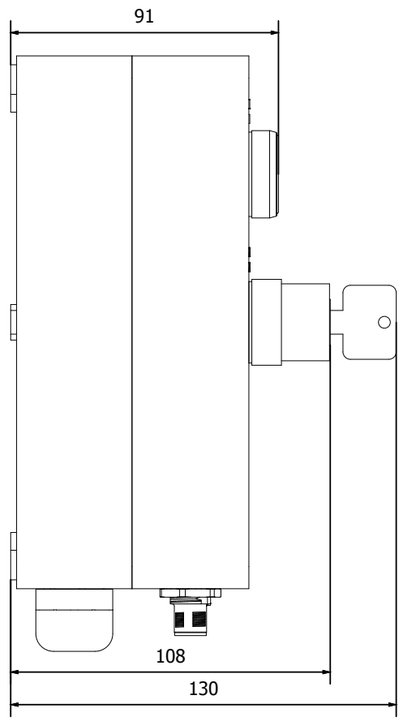
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			Date	20/10/2021	ReeR - Safegate Safety light curtains		SAFEGATE M SG BOX PLUS - Connection box with enhanced relays	= SAFEGATE	
			Ed.	REER				+ LAY	
			Appr					Page 1390955	
Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty 37	

-M1



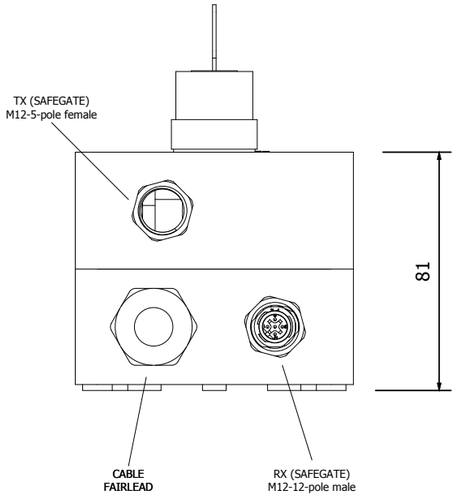


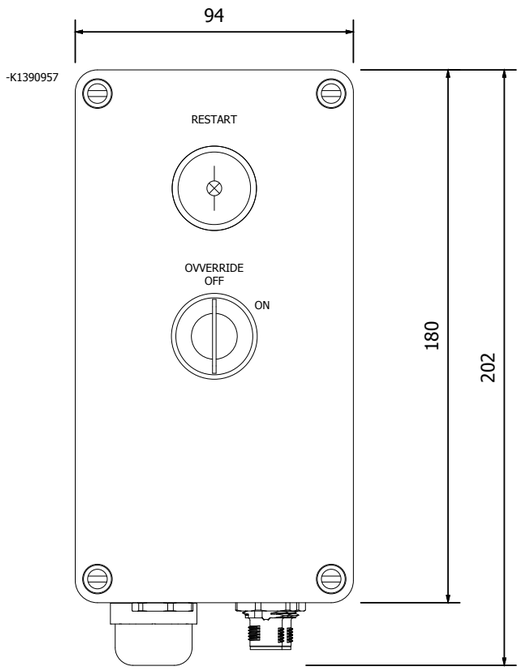


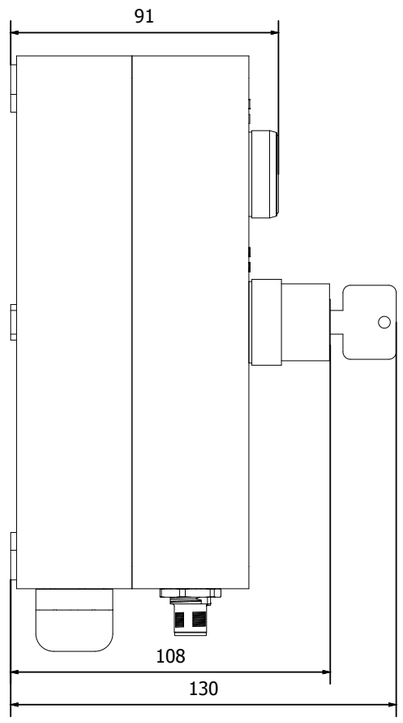
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			Date	20/10/2021	ReeR - Safegate Safety light curtains		SAFEGATE M SGO BOX PLUS - Connection box with enhanced relays	= SAFEGATE	
			Ed.	REER				+ LAY	
			Appr					Page	1390956
Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty	37



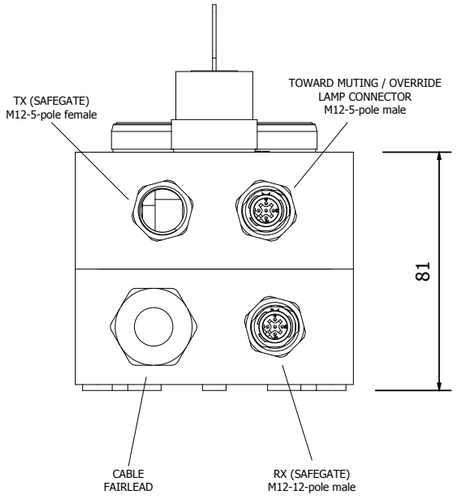


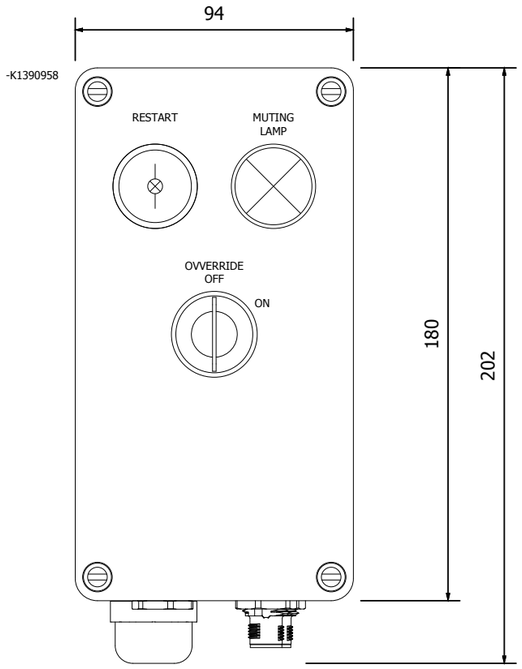


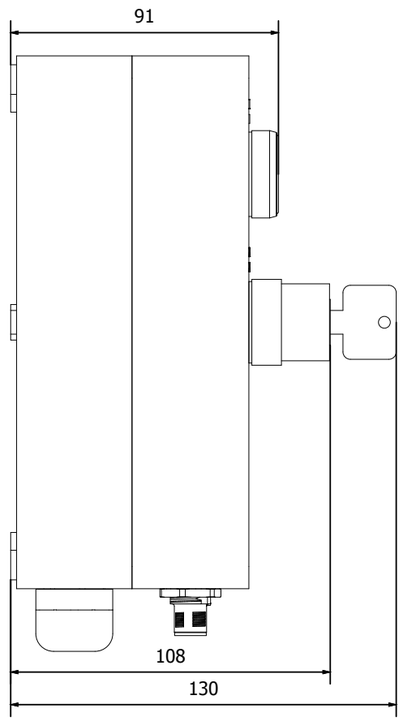
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			Date	20/10/2021	ReeR - Safegate		SAFEGATE M SG BOX OSSD - Connection box ossd output only	= SAFEGATE	
			Ed.	REER				+ LAY	
			Appr		Safety light curtains			Page 1390957	
Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty 37	



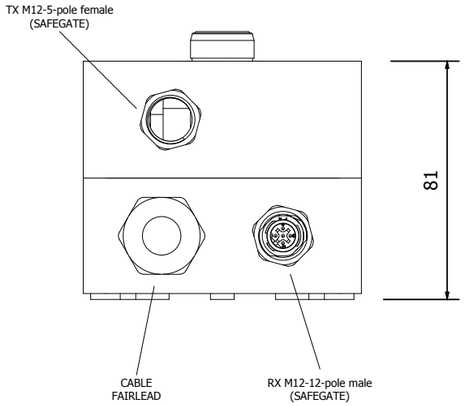


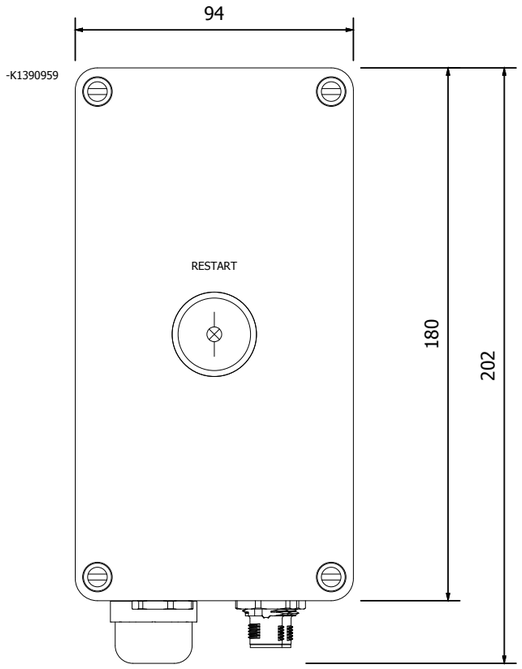


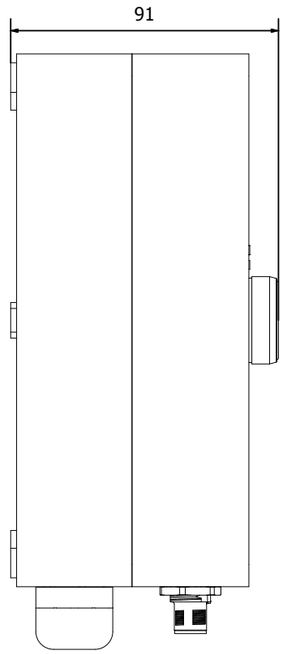
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			Date	20/10/2021	ReeR - Safegate Safety light curtains		SAFEGATE M SGO BOX OSSD - Connection box ossd output only	= SAFEGATE	
			Ed.	REER				+ LAY	
			Appr					Page 1390958	
Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty 37	





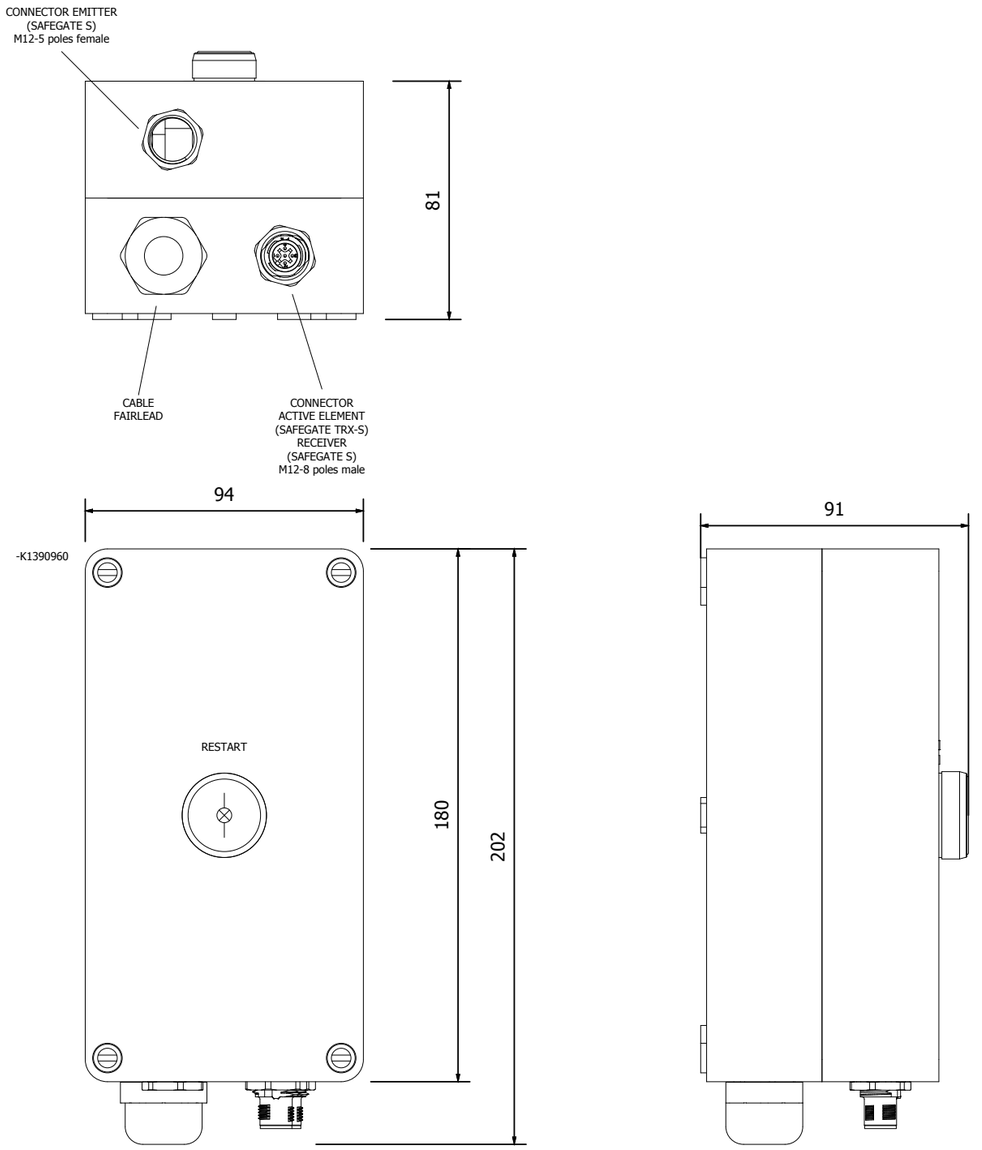


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			Date	20/10/2021	ReeR - Safegate Safety light curtains		SAFEGATE M SG BOX RST - Connection box with restart command only		= SAFEGATE
			Ed.	REER					+ LAY
			Appr						Page 1390959
Modification	Date	Name	Original		Replacement of	Replaced by			Sh. q.ty 37

-M2



< 1390959

+PL/1 >

			Date	20/10/2021	ReeR - Safegate Safety light curtains		SAFEGATE M SG BOX RST P - Connection box with restart command only and I/O modules output	= SAFEGATE	
			Ed.	REER				+ LAY	
			Appr					Page	1390960
Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty	37

Parts list

F01_001 REER

Device tag	Quantity	Designation	Characteristics	Type number	Supplier	Order number	Page
+SYM-BSOkkkkkkk_LR	1	SAFEGATE Safety light curtain		SAFEGATE SO KKKK LR	REER	kkkkkkk	=SAFEGATE+SYM/SOkkkkkkk_LR
+SYM-BSOkkkkkkk_LR-A	1	SAFEGATE Safety light curtain		SAFEGATE SO KKKK LR-A	REER	kkkkkkk	=SAFEGATE+SYM/SOkkkkkkk_LR-A
+SYM-BSOkkkkkkk_LR-A_ILP	1	SAFEGATE Safety light curtain		SAFEGATE SO KKKK LR-A ILP	REER	kkkkkkk	=SAFEGATE+SYM/SOkkkkkkk_LR-A_ILP
+SYM-BSOkkkkkkk_LR_ILP	1	SAFEGATE Safety light curtain		SAFEGATE S KKKK LR ILP	REER	kkkkkkk	=SAFEGATE+SYM/SOkkkkkkk_LR_ILP
+SYM-BSkkkkkkk	1	SAFEGATE Safety light curtain		SAFEGATE S KKKK	REER	kkkkkkk	=SAFEGATE+SYM/Skkkkkkk
+SYM-BSkkkkkkk_LR	1	SAFEGATE Safety light curtain		SAFEGATE S KKKK LR	REER	kkkkkkk	=SAFEGATE+SYM/Skkkkkkk_LR
+SYM-BSkkkkkkk_LR-A	1	SAFEGATE Safety light curtain		SAFEGATE S KKKK LR-A	REER	kkkkkkk	=SAFEGATE+SYM/Skkkkkkk_LR-A
+SYM-BSkkkkkkk_LR-A_ILP	1	SAFEGATE Safety light curtain		SAFEGATE S KKKK LR-A ILP	REER	kkkkkkk	=SAFEGATE+SYM/Skkkkkkk_LR-A_ILP
+SYM-BSkkkkkkk_LR_ILP	1	SAFEGATE Safety light curtain		SAFEGATE S KKKK LR ILP	REER	kkkkkkk	=SAFEGATE+SYM/Skkkkkkk_LR_ILP
+SYM-BkkkkkkkSM	1	SAFEGATE Safety light curtain		SAFEGATE SM KKKK	REER	kkkkkkk	=SAFEGATE+SYM/SMkkkkkkk
+SYM-BkkkkkkkSMO	1	Barriera di sicurezza SAFEGATE		SAFEGATE KKKK SMO	REER	kkkkkkk	=SAFEGATE+SYM/SMOkkkkkkk
+SYM-BkkkkkkkSMO_TRX	1	SAFEGATE Safety light curtain		SAFEGATE SMO KKKK TRX	REER	kkkkkkk	=SAFEGATE+SYM/SMOkkkkkkk_TRX
+SYM-BkkkkkkkSMPO	1	SAFEGATE Safety light curtain		SAFEGATE SMPO KKKK	REER	kkkkkkk	=SAFEGATE+SYM/SMPOkkkkkkk
+SYM-BkkkkkkkSMPO_TRX	1	SAFEGATE Safety light curtain		SAFEGATE SMPO KKKK TRX	REER	kkkkkkk	=SAFEGATE+SYM/SMPOkkkkkkk_TRX
+SYM-BkkkkkkkSM_TRX	1	SAFEGATE Safety light curtain		SAFEGATE SM KKKK TRX	REER	kkkkkkk	=SAFEGATE+SYM/SMkkkkkkk_TRX
+SYM-BkkkkkkkS_TRX	1	SAFEGATE Safety light curtain		SAFEGATE S KKKK TRX	REER	kkkkkkk	=SAFEGATE+SYM/Skkkkkkk_TRX
+SYM-K1390952	1	SAFEGATE connection box		SAFEGATE M SGO BOX	REER	1390952	=SAFEGATE+SYM/1390952
+SYM-K1390953	1	SAFEGATE connection box		SAFEGATE M SG BOX	REER	1390953	=SAFEGATE+SYM/1390953
+SYM-K1390955	1	SAFEGATE connection box with enhanced relays		SAFEGATE M SG BOX PLUS	REER	1390955	=SAFEGATE+SYM/1390955
+SYM-K1390956	1	SAFEGATE connection box with enhanced relays		SAFEGATE M SGO BOX PLUS	REER	1390956	=SAFEGATE+SYM/1390956
+SYM-K1390957	1	SAFEGATE connection box with restart command only		SAFEGATE M SG BOX RST	REER	1390959	=SAFEGATE+SYM/1390957
+SYM-K1390958	1	SAFEGATE connection box OSSD output only		SAFEGATE M SGO BOX OSSD	REER	1390958	=SAFEGATE+SYM/1390958
+SYM-K1390959	1	SAFEGATE connection box with restart command only		SAFEGATE M SG BOX RST	REER	1390959	=SAFEGATE+SYM/1390959
+SYM-K1390960	1	SAFEGATE Connection box with restart command only and I/O modules output		SAFEGATE M SG BOX RST P	REER	1390960	=SAFEGATE+SYM/1390960

			Date	20/10/2021	ReeR - Safegate		Part list	= SAFEGATE
			Ed.	REER				+ PL
			Appr		Safety light curtains			Page 1
Modification	Date	Name	Original		Replacement of	Replaced by		Sh. q.ty 37

Parts list

F01_001 REER

Device tag	Quantity	Designation	Characteristics	Type number	Supplier	Order number	Page
+LAY-K1390952	1	SAFEGATE connection box		SAFEGATE M SGO BOX	REER	1390952	=SAFEGATE+LAY/1390952
+LAY-K1390953	1	SAFEGATE connection box		SAFEGATE M SG BOX	REER	1390953	=SAFEGATE+LAY/1390953
+LAY-K1390955	1	SAFEGATE connection box with enhanced relays		SAFEGATE M SG BOX PLUS	REER	1390955	=SAFEGATE+LAY/1390955
+LAY-K1390956	1	SAFEGATE connection box with enhanced relays		SAFEGATE M SGO BOX PLUS	REER	1390956	=SAFEGATE+LAY/1390956
+LAY-K1390957	1	SAFEGATE connection box OSSD output only		SAFEGATE M SG BOX OSSD	REER	1390957	=SAFEGATE+LAY/1390957
+LAY-K1390958	1	SAFEGATE connection box OSSD output only		SAFEGATE M SGO BOX OSSD	REER	1390958	=SAFEGATE+LAY/1390958
+LAY-K1390959	1	SAFEGATE Connection box with restart command only and I/O modules output		SAFEGATE M SG BOX RST P	REER	1390960	=SAFEGATE+LAY/1390959
+LAY-K1390960	1	SAFEGATE Connection box with restart command only and I/O modules output		SAFEGATE M SG BOX RST P	REER	1390960	=SAFEGATE+LAY/1390960
+LAY-M1	0						=SAFEGATE+LAY/1390956
+LAY-M2	0						=SAFEGATE+LAY/1390960