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SH4 STANDARD MUTING QUICK REFERENCE GUIDE



DATA SENSING

Safety Light Curtains

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Patents

See www.patents.datasensing.com for patent list.
This product is covered by one or more of the following patents:
Utility patents: IT1363719, IT1427575, US10188007

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SAFETY INFORMATION



CAUTION: The following points must be observed for a correct and safe use of the safety light curtains of the SH4 series:

- Mounting and connection of the safety light curtain must be carried out only by qualified personnel, according to the indications included in the Product Reference Guide and the applicable Standards.
- Please carefully read the Product Reference Guide for the correct functioning before powering the light curtain.



CAUTION: Make sure that the performance level assured by the SH4 device (PLe) is compatible with the real risk level of the machine to be controlled, according to EN ISO 13849-1 and EN 62061.

- Reflecting surfaces near the safety light curtain light beam (above, under or lateral) can cause passive reflections that can jeopardize functioning.
- The safety device must be installed at a distance which is major or equal to the minimum safety distance S to ensure that the operator can not reach the dangerous area until the moving dangerous object has been blocked by the ESPE.

INFORMAZIONI SULLA SICUREZZA



ATTENZIONE: Per un utilizzo corretto ed in sicurezza delle barriere di sicurezza serie SH4 è importante osservare le seguenti indicazioni:

- L'installazione della barriera e le relative connessioni elettriche devono essere eseguite da personale qualificato e nel rispetto delle indicazioni riportate sul manuale d'istruzioni e nelle normative di settore.
- Prima dell'accensione della barriera attenersi scrupolosamente alle istruzioni relative al corretto funzionamento.



ATTENZIONE: Assicurarsi che il livello di protezione garantito dal dispositivo SH4 (PLe) sia compatibile con l'effettivo grado di pericolosità della macchina da controllare, come stabilito dalle norme EN ISO 13849-1 ed EN 62061.

- Superfici riflettenti poste nelle vicinanze del fascio luminoso del dispositivo di sicurezza (sopra, sotto o lateralmente) possono introdurre riflessioni passive in grado di pregiudicare il rilevamento dell'oggetto all'interno dell'area protetta.
- Il dispositivo di sicurezza deve essere installato ad una distanza maggiore o uguale alla minima distanza di sicurezza S in modo da assicurare che l'operatore non possa raggiungere la zona di pericolo fino a che l'organo pericoloso in movimento sia stato bloccato dall'intervento dell'ESPE.

INFORMATIONS SUR LA SÉCURITÉ



ATTENTION: Pour une utilisation correcte et sûre des barrières de sécurité série SH4, il est important de suivre les indications suivantes:

- L'installation de la barrière et ses connexions électriques doivent être effectuées par un personnel qualifié et en conformité avec les indications reprises dans le manuel d'instructions et les réglementations de secteur.
- Avant la mise sous tension de la barrière, suivre scrupuleusement les indications relatives au bon fonctionnement.



ATTENTION: Veiller à ce que le niveau de protection assuré par le dispositif SH4 (PLe) soit compatible avec le taux de risque effectif à contrôler sur la machine, ainsi qu'il est établi dans la norme EN ISO 13849-1 et EN 62061.

- Les surfaces réfléchissantes positionnées à côté du faisceau lumineux du dispositif de sécurité (au-dessus, au-dessous ou latéralement) peuvent introduire des réflexions passives susceptibles d'empêcher la détection de l'objet à l'intérieur de la zone contrôlée.
- Le dispositif de sécurité doit être installé à une distance supérieure ou égale à la distance de sécurité minimum S de sorte à assurer que l'opérateur ne puisse pas atteindre la zone de danger jusqu'à ce que l'organe dangereux en mouvement soit bloqué par l'intervention du ESPE.

SICHERHEITSINFORMATION



ACHTUNG: Für den korrekten und sicheren Einsatz der Sicherheitslichtvorhänge der SH4 Seriemüssen folgende Hinweise beachtet werden:

- Die Installation des Sicherheitssystems und der entsprechenden elektrischen Anschlüsse müssen von Fachpersonal den Angaben auf der vollständigen Bedienungsanleitung sowie im Rahmen der in diesem Fachbereich gültigen Normen vorgenommen werden.
- Bitte lesen Sie das Produktreferenzhandbuch für die korrekte Funktion sorgfältig durch, bevor Sie den Lichtvorhang einschalten.



VORSICHT: Sich darüber vergewissern, dass das von der Einrichtung SH4 garantierte Sicherheitsniveau (PLe) mit der effektiven Risikobeurteilung der zu überwachenden Maschine, so wie von der Norme EN ISO 13849-1 und EN 62061 festgelegt wird, übereinstimmt.

- Reflektierende Flächen in der Nähe der von der Sicherheitseinrichtung ausgehenden Strahlen (oberhalb, unterhalb oder seitlich davon) können passive Reflexionen bewirken, die das Erfassen des Objekts innerhalb des Schutzbereichs beeinträchtigen.
- Die Schutzeinrichtung muss in einem solchen Abstand montiert werden, der über dem Mindestsicherheitsabstand S liegt oder diesem entspricht, so dass gewährleistet werden kann, dass der Bediener erst dann in den Gefahrenbereich gelangen kann, wenn die Bewegung des gefährbringenden Organs durch das Auslösen der ESPE zum Stillstand gekommen ist.

INFORMACIÓN DE SEGURIDAD



ATENCIÓN: Para un uso correcto y seguro de las barreras de protección serie SH4 es importante cumplir con las siguientes indicaciones:

- La instalación de la barrera de protección y sus correspondientes conexiones eléctricas sólo deberán ser llevadas a cabo por personal calificado según las indicaciones en el manual de instrucciones y la normativa correspondiente.
- Antes de conectar la barrera, seguir exactamente las instrucciones para asegurar su correcto funcionamiento.



ATENCIÓN: Asegurarse que el nivel de protección garantizado por el equipo SH4 (PLe) sea compatible con el nivel de peligrosidad real de la máquina a controlar según las normativas EN ISO 13849-1 y EN 62061.

- Superficies reflectantes cercanas a los rayos de la barrera de protección (superiores, inferiores o laterales) pueden causar reflexiones pasivas. Estas reflexiones pueden poner en peligro la detección de un objeto dentro del área de protección.
- El dispositivo de seguridad se debe instalar a una distancia mayor o igual a la mínima distancia de seguridad S para asegurar que el operador no pueda alcanzar la zona de peligro hasta que el componente peligroso en movimiento haya sido bloqueado por la intervención del ESPE en movimiento haya sido bloqueado por el ESPE.

安全信息



注意: 为了正确和安全地使用 SH4 系列安全光幕，必须遵守以下几点要求：

- 安全光幕的安装和连接必须由合格人员按照《产品参考指南》和相关标准中的指示来进行。
- 在光幕通电前，请仔细阅读《产品参考指南》以确保其正常工作。



注意: 根据 EN ISO 13849-1 和 EN 62061，确保 SH4 设备的性能等级 (PLe) 与受控设备的实际风险等级相一致。

- 安全光幕光束附近的反射表面（上方、下方或侧面）会形成被动反射，进而影响其正常功能。
- 安全装置的安装距离必须大于或等于最小安全距离 S，以确保操作员在 ESPE 遮挡移动的物体前不会进入危险区域。

DATA SENSING

有害物质或元素

PART	Electronics	Housing	Optics	Cable	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 Hexavalent Chromium (Cr(VI))	多溴联苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
光学组件	电子产品	住房	光学	电缆	×	×	×	×	×	×

本表格依据 SJ/T 11364 的规定编制。
○ 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。
× 表示该有害物质在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

EFUP determined by "Look-up Method" (scanner). 环保使用期限取决于“查表法” (扫描仪)

REGULATORY INFORMATION

Caution

- Before using the devices read this Addendum carefully.
- Use only the components and accessories supplied by the manufacturer for the specific SH4 safety curtain.
- Do not attempt to disassemble the safety curtain device, as it does not contain parts that can be repaired by the user. Any tampering will invalidate the warranty.
- At the end of the operative life of the SH4 device, disposal must be performed in compliance with the laws in force in your jurisdiction.
- Do not submerge the SH4 in liquid products.
- For further information or support, refer to the Datasensing web site: www.patents.datasensing.com

般安全规则

注意

- 在使用这些设备之前，请仔细阅读本附录。
- 仅使用制造商为特定 SH4 安全帘提供的组件和附件。
- 不要试图拆卸安全帘装置，因为它不包含用户可以修理的部件。任何篡改都会使保修失效。
- SH4 设备达到使用年限时，必须按照当地现行法律进行处置。
- 请勿将 SH4 浸入液体产品中。
- 如需更多信息或支持，请访问 Datasensing 网站：www.patents.datasensing.com

Power Supply

The device is intended to be supplied by UL Listed Power Unit LPS/PS2/SELV power source.

Any changes or modifications to equipment, not expressly approved by Datasensing could void the user's authority to operate the equipment.

电源

该设备只能由 UL 认证的电源单元 LPS/PS2/SELV 电源供电。未经 Datasensing 明确批准而对设备进行的任何更改或修改都可能导致用户操作该设备的权限失效。

EUROPEAN DECLARATION OF CONFORMITY

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INDUSTRY CANADA COMPLIANCE STATEMENT

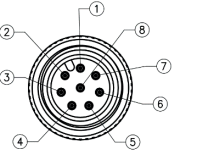
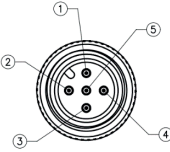
This Class A digital apparatus complies with Canadian ICES-003. Avis de conformité à la réglementation d'Industrie Canada Cet appareil numérique de la classe A respecte est conforme à la norme NMB-003 du Canada."

CONNECTION-CONNESSIONI-CONNEXIONS-ANSCHLÜSSE-CONEXIONES-连接

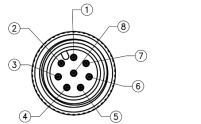
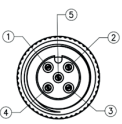
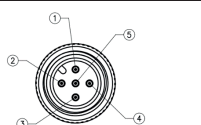
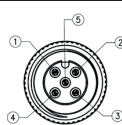
Colors table-tabella colori-tableau des couleurs-farbtabelle-tabla colores-颜色表

EN	IT	FR	DE	ES	CH
brown	marrone	marron	braun	marrón	棕色的
blue	blu	bleu	blau	azul	蓝色
white	bianco	blanc	weiß	blanco	白色的
green	verde	vert	grün	verde	绿色
pink	rosa	rose	rosa	rosa	粉色的
yellow	giallo	jaune	gelb	amarillo	黄色的
black	nero	noir	schwarz	negro	黑色的
grey	grigio	gris	grau	gris	灰色的
red	rosso	rouge	rot	rojo	红色的

SH4-xx-xxxx-SM(-AP)-8

RECEIVER	TRANSMITTER (SH4-xx-xxxx-SM-8 models only)
M12 male 8 pin	M12 male 5 pin
	
1 - RESET/RESTART/EDM/OVERR (white)	1 - 24V (brown)
2 - 24V (brown)	2 - TEST (white)
3 - MUTING1 (green)	3 - 0V (blue)
4 - MUTING2 (yellow)	4 - CODE (black)
5 - OSSD1 (grey)	5 - COM (grey)
6 - OSSD2 (pink)	
7 - 0V (blue)	
8 - LAMP (red)	

SH4-xx-xxxx-SM-8-5

RECEIVER	
M12 male 8 pin	M12 female 5 pin
	
1 - RESET/RESTART (white)	1 - 24V OUT (brown)
2 - 24V (brown)	2 - MUT2 (white)
3 - OVR1 (green)	3 - 0V OUT (blue)
4 - EDM (yellow)	4 - MUT1 (black)
5 - OSSD1 (grey)	5 - COM (grey)
6 - OSSD2 (pink)	
7 - 0V (blue)	
8 - OVR2(red)	
TRANSMITTER	
M12 male 5 pin	M12 female 5 pin
	
1 - 24V (brown)	1 - 24V OUT (brown)
2 - TEST (white)*	2 - TEST (white)
3 - 0V (blue)	3 - 0V OUT (blue)
4 - CODE (black)**	4 - CODE (black)
5 - COM (grey)	5 - NOT CONNECTED (grey)

* Pin 2-2 of male-female connector are internally short-circuited thus should be connected one-side only

** Pin 4-4 of male-female connector are internally short-circuited thus should be connected one-side only

* I pin 2-2 del connettore maschio-femmina sono cortocircuitati tra loro per tanto bisogna connettersi da un solo lato

** I pin 4-4 del connettore maschio-femmina sono cortocircuitati tra loro per tanto bisogna connettersi da un solo lato

* Les broches 2-2 du connecteur mâle-femelle sont court-circuitées en interne, par conséquent il faut les connecter d'un seul côté

** Les broches 4-4 du connecteur mâle-femelle sont court-circuitées en interne, par conséquent il faut les connecter d'un seul côté

* Die Pins 2-2 der Steckverbindung mit männlichem/weiblichem Teil sind intern kurzgeschlossen, sie dürfen daher nur auf einer Seite angeschlossen werden

** Die Pins 4-4 der Steckverbindung mit männlichem/weiblichem Teil sind intern kurzgeschlossen, sie dürfen daher nur auf einer Seite angeschlossen werden

* Los pines 2-2 del conector macho-hembra están cortocircuitados internamente, por lo tanto, deben conectarse solo en un lado

** Los pines 4-4 del conector macho-hembra están cortocircuitados internamente, por lo tanto, deben conectarse solo en un lado

* 公-母连接器的 2-2 针内部短路，因此仅可在一个连接

** 公-母连接器的 4-4 针内部短路，因此仅可在一个连接

FUNCTIONS

The main function of the light curtain is the safe detection: when any object with dimensions equal or greater than the light curtain resolution is placed anywhere within the detection zone, the light curtain will detect it and its safe outputs (OSSDs) shall go to the OFF- state. SH4 performs this detection function according to IEC EN 61496-2. The available functions are: Alignment, selectable Restart Mode, EDM, Muting. May work as cascade Master (SH4-14/30-xxxx-x-x models only).

FUNZIONI

La funzione principale della barriera fotoelettrica è il rilevamento sicuro: quando un qualsiasi oggetto con dimensioni uguali o superiori alla risoluzione della barriera fotoelettrica viene posizionato in un punto qualsiasi della zona di rilevamento, la barriera lo rileverà e le sue uscite di sicurezza (OSSD) passeranno allo stato OFF. SH4 svolge questa funzione di rilevamento secondo la norma IEC EN 61496-2. Le funzioni disponibili sono: Allineamento, Modalità di riavvio selezionabile, EDM, Muting. Può lavorare come Master in cascata (solo i modelli SH4-14/30-xxxx-x-x).

FONCTIONS

La fonction principale de la barrière photoélectrique est la détection sûre: si un objet quelconque ayant des dimensions égales ou supérieures à la résolution de la barrière photoélectrique est placé dans n'importe quel point de la zone de détection, la barrière le détectera et ses sorties de sécurité (OSSD) se mettront à l'état OFF. SH4 exécute cette fonction de détection conformément à la norme IEC EN 61496-2. Les fonctions disponibles sont : Alignement, Mode de redémarrage sélectionnable, EDM, Muting. Peut fonctionner en tant que Maître en cascade (uniquement pour les modèles SH4-14/30-xxxx-x-x).

FUNKTIONEN

Die Hauptfunktion der Lichtschranke ist die sichere Erfassung: Wenn ein beliebiges Objekt, dessen Größe der Auflösung der Lichtschranke entspricht oder größer ist, an eine beliebige Stelle des Erfassungsbereichs gestellt wird, erfasst ihn die Schranke und die entsprechenden Sicherheits-Ausgangsschalt Elemente (OSSD) gehen in den OFF-Status über. SH4 führt diese Erfassungsfunktion gemäß Norm IEC EN 61496-2 aus. Folgende Funktionen stehen zur Verfügung: Ausrichtung, auswählbarer Neustartmodus, EDM, Muting. Es kann als Master in Kaskade arbeiten (nur bei den modellen SH4-14/30-xxxx-x-x).

FUNCIONES

La función principal de la barrera fotoeléctrica es la detección segura: cuando un objeto de tamaño igual o superior a la resolución de la barrera se coloca en un punto cualquiera de la zona de detección, la barrera lo detecta y sus salidas de seguridad (OSSD) pasan al estado OFF. SH4 desempeña esta función de detección de acuerdo con la norma IEC EN 61496-2. Las funciones disponibles son: Alineación, Modo de reinicio seleccionable, EDM, Muting. Puede funcionar como Master en cascada (solo para los modelos SH4-14/30-xxxx-x-x).

功能

光幕的主要功能是基于安全检测：任何尺寸等于或大于光幕分辨率的物体被放置在检测区域的任意位置时，光幕都会检测到该物体，随后其安全输出（OSSD）将切换到关闭状态。SH4 的检测功能符合 IEC EN 61496-2 标准。可用功能如下：对准、可选择的重启模式、EDM、静音。可作为联级主设备工作（仅限 SH4-14/30-xxxx-x-x 型号）。

TECHNICAL DATA	
Power Supply	24 Vdc ±20%
OSSD Output current	250mA max / each output
Cable length	30m max [50m max for body emitter]
EAA angle	< ± 2.5° @3m
Response time	Refer to Product Reference Guide
Operating temperature	-30...55°C
Altitude during operation	< 2000 m
Mechanical protection	IP 67, IP65 (EN 60529)
Weight	1,3kg/m

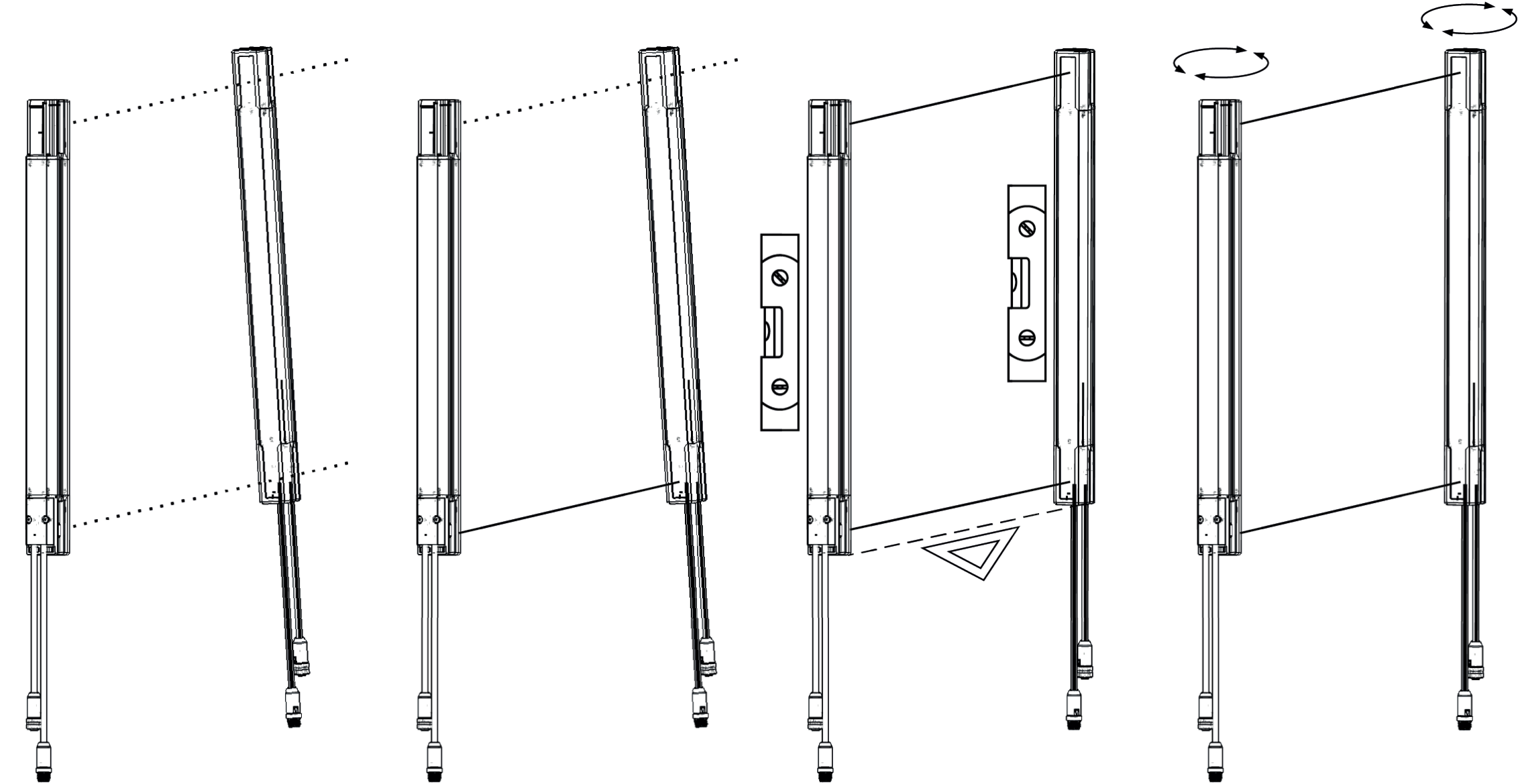
DATI TECNICI	
Alimentazione	24 Vdc ±20%
Corrente di uscita OSSD	250mA max / ogni uscita
Lunghezza cavo	30m max [50m max per emettitore body]
AngoloEAA	< ± 2.5° @3m
Tempo di risposta	Consultare la Guida di Riferimenro Prodotto
Temperatura di lavoro	-30...55°C
Altitudine durante il funzionamento	< 2000 m
Protezione meccanica	IP 67, IP65 (EN 60529)
Peso	1,3kg/m

DONNÉES TECHNIQUES	
Source de courant	24 Vdc ±20%
Courant de sortie OSSD	250mA max / each output
Longueur de câble	30m max [50m max pour body émetteur]
Angle EAA	< ± 2.5° @3m
Temps de réponse	Se référer au Guide de Référence du Produit
Température de fonctionnement	-30...55°C
Altitude pendant le fonctionnement	< 2000 m
Protection mécanique	IP 67, IP65 (EN 60529)
Masse	1,3kg/m

TECHNISCHE DATEN	
Energieversorgung	24 Vdc ±20%
OSSD-Ausgangsstrom	250mA max / jeder Ausgang
Kabellänge	30m max [50m max für Body-Emitter]
EAA-Winkel	< ± 2.5° @3m
Reaktionszeit	Siehe Produktanleitung
Betriebstemperatur	-30...55°C
Höhe während des Betriebs	< 2000 m
Mechanischer Schutz	IP 67, IP65 (EN 60529)
Gewicht	1,3kg/m

DATOS TÉCNICOS	
Fuente de alimentación	24 Vdc ±20%
Corriente de salida OSSD	250mA max / cada salida
Longitud del cable	30m max [50m max para body emisor]
Ángulo EAA	< ± 2.5° @3m
Tiempo de respuesta	Consulte la Guía de Referencia del Producto
Temperatura de funcionamiento	-30...55°C
Altitud durante el funcionamiento	< 2000 m
Protección mecánica	IP 67, IP65 (EN 60529)
Peso	1,3kg/m

技术数据	
电源	24 Vdc ±20%
OSSD 输出最大电流	250mA max / 每个输出
电缆长度	30m 最大 [发光器中最大电缆长度 50m]
EAA 角度	< ± 2.5° 时 3m
响应时间	请参考用户手册
工作温度	-30…55° C
最大工作海拔高度	< 2000 m
机械防护	IP 67, IP65 (EN 60529)
重量	1,3kg/m



EN	Not aligned	First beam aligned	Aligned, low signal	Aligned, max signal
IT	Non allineato	Primo raggio allineato	Allineato, segnale basso	Allineato, segnale massimo
FR	Non align�	Premier faisceau align�	Align�, signal faible	Align�, signal maximum
DE	Nicht ausgerichtet	Erster Strahl ausgerichtet	Ausgerichtet, schwaches Signal	Ausgerichtet, gr��tm�gliches Signal
ES	No alineado	Primer rayo alineado	Alineado, se�al baja	Alineado, se�al m�xima
CH	�未对准	�第一束已对准	�已对准，低信弱	�已对准，信号最强

SH4-14/30	SH4-2/3/4	SH4-14/30	SH4-2/3/4	SH4-14/30	SH4-2/3/4	SH4-14/30	SH4-2/3/4																																																																								
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LEGEND-LEGENDA-L G NDE-LEGENDE-LEYENDA- 奇

ON: on - acceso - allum  - eingeschaltet - encendido - 开
OFF: off - spento -  teint - ausgeschaltet - apagado - 关
IND: indifferente - indifferente - indiff rent - gleichg ltig - indiferente - 不变
(b): blue - blu - bleu - blau - azul - 蓝色
(g): green - verde - vert - gr n - verde - 绿色
(r): red - rosso - rouge - rot - rojo - 红色的
(bl r): blinking red - rosso lampeggiante - clignotant rouge - rot blinkend - rojo parpadeante - 红灯闪烁

WEEE STATEMENT



English
For information about the disposal of Waste Electrical and Electronic Equipment (WEEE), please refer to the website at www.datasensing.com.

Italian
Per informazioni sullo smaltimento delle apparecchiature elettriche ed elettroniche consultare il sito Web www.datasensing.com.

French
Pour toute information relative   l limination des d chets  lectroniques (WEEE), veuillez consulter le site internet www.datasensing.com.

German
Informationen zur Entsorgung von Elektro- und Elektronik- Altger ten (WEEE) erhalten Sie auf der Webseite www.datasensing.com.

Spanish
Si desea informaci n acerca de los procedimientos para el desecho de los residuos del equipo el ctrico y electr nico (WEEE), visite la p gina Web www.datasensing.com.

Portuguese
Para informa  es sobre a disposi  o de Sucatagem de Equipamentos El tricos e Eletr nicos (WEEE -Waste Electrical and Electronic Equipment), consultar o site web www.datasensing.com.

Chinese
有关处理废弃电气电子设备（WEEE）的信息， 请参考Datasensing公司的网站 www.datasensing.com。

Japanese
 废電気電子機器(WEEE)の処理についての関連事項はDatasensingのサイ ト www.datasensing.comをご参照下さい。

DIP SWITCHES

To access the Dip switches it is necessary to remove the rear panel screws located on the Rx unit (1-2).

Dip switches are redundant: 2 series of 8. For any configuration the dip-switches banks A and B must have the same setting.

DIP SWITCHES

Per accedere ai Dip switch è necessario rimuovere le viti del pannello posteriore poste sull'unità Rx (1-2).

I Dip switch sono ridondanti: 2 serie da 8. Per qualsiasi configurazione i banchi di Dip switch A e B devono avere la stessa impostazione.

DIP SWITCHES

Pour accéder aux dip-switches, il faut retirer les vis du panneau arrière présentes sur l'unité Rx (1-2).

Les dip-switches sont redondants: 2 séries de 8. Pour tout réglage, les rangées de dip-switches A et B doivent avoir la même configuration.

DIP-SCHALTER

Um zu den DIP-Schaltern zu gelangen, müssen die Schrauben der hinteren Platte an der Rx-Einheit entfernt werden (1-2).

Die DIP-Schalter sind redundant: 2 Serien aus 8 Stück. Für alle Konfigurationen müssen die DIP-Schalter-Bänke A und B die gleiche Einstellung aufweisen.

INTERRUPTORES DIP

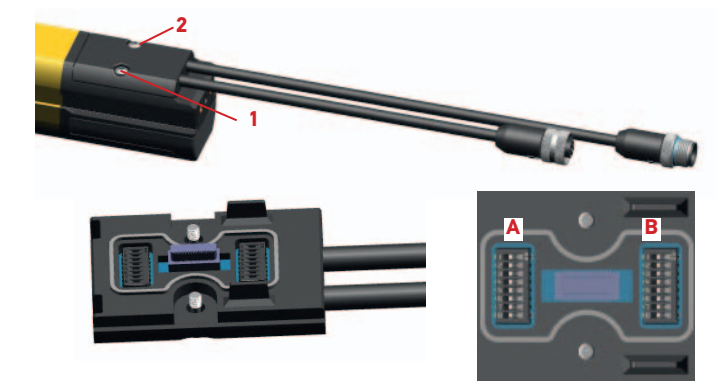
Para acceder a los interruptores Dip, se deben quitar los tornillos del panel trasero situado en la unidad Rx (1-2).

Los interruptores Dip son redundantes: 2 series de 8. Para cualquier configuración, los conjuntos de interruptores Dip A y B deben tener el mismo ajuste.

DIP 开关

要接触到 DIP 开关，必须拧下 RX 单元的后侧面板螺丝（1-2）。

DIP 开关为冗余开关：2 组，每组 8 个。无论何种配置，A、B 两组 DIP 开关必须具有相同设置。



CAUTION: When reinstalling the smart plug please make sure the gasket is still in its seat, otherwise carefully re-insert it. Close the rear panel with a tightening torque of 0.2 Nm, DO NOT over tighten! Misplaced gasket or wrong tightening torque may impair IP level protection.

AVVERTENZA: Quando si reinstalla il coperchio, assicurarsi che la guarnizione sia ancora nella sua sede, altrimenti reinserirla con attenzione. Chiudere il pannello posteriore con una coppia di serraggio di 0.2 Nm, NON serrare eccessivamente! Una guarnizione fuori posto o una coppia di serraggio errata possono compromettere il livello di protezione IP.

AVERTISSEMENT: Lors de la réinstallation du couvercle, assurez-vous que le joint est toujours dans son logement, sinon réinsérez-le soigneusement. Fermez le panneau arrière avec un couple de serrage de 0.2 Nm, NE PAS trop serrer! Un joint mal placé ou un couple de serrage incorrect peut altérer le niveau de protection IP.

WARNUNG: Achten Sie beim erneuten Anbringen der Abdeckung darauf, dass die Dichtung noch in ihrem Sitz ist, andernfalls setzen Sie sie vorsichtig wieder ein. Schließen Sie die Rückwand mit einem Anzugsdrehmoment von 0.2 Nm, NICHT zu fest anziehen! Eine falsch platzierte Dichtung oder ein falsches Anzugsdrehmoment können den IP-Schutz beeinträchtigen.

ADVERTENCIA: Al volver a instalar la tapa, asegúrese de que la junta todavía esté en su asiento; de lo contrario, vuelva a insertarla con cuidado. Cierre el panel trasero con un par de apriete de 0.2 Nm, ¡NO apriete demasiado! Una junta mal colocada o un par de apriete incorrecto pueden afectar la protección del nivel IP.

注意：重新安装盖子时，请确保垫圈仍在其位置上，否则请小心地重新插入。用 0.2 Nm 的拧紧扭矩关闭后面板，请勿拧得太紧！垫片放错位置或拧紧扭矩错误可能会损害 IP 等级保护。

SH4-xx-xxxx-SM(-AP)-8 Dip Switches Settings

FUNCTION	DIP	SETTINGS (DEFAULT IN BOLD)
Partial Muting	1	OFF: Total Muting ON: Partial Muting
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>) <i>*NOT AVAILABLE ON SH4-2/3/4-xxxx-SM-AP-8</i>
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter	8	OFF: no muting filter ON: 100ms muting filter

FUNZIONE	DIP	SETTAGGI (PREDEFINITI IN GRASSETTO)
Partial Muting	1	OFF: Total Muting ON: Partial Muting
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>) <i>*NON DISPONIBILE SU SH4-2/3/4-xxxx-SM-AP-8</i>
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter	8	OFF: no muting filter ON: 100ms muting filter

SH4-xx-xxxx-SM-8-5 Dip Switches Settings

FUNCTION	DIP	SETTINGS (DEFALUT IN BOLD)
Override Trigger	1	OFF: Level ON: Edge*
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>)
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter (100ms)	8	OFF: no muting filter ON: 100ms muting filter

FUNZIONE	DIP	SETTAGGI (PREDEFINITI IN GRASSETTO)
Override Trigger	1	OFF: Level ON: Edge*
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>)
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter (100ms)	8	OFF: no muting filter ON: 100ms muting filter

* When Restart Mode is Manual a RESTART signal is requested at the end of Override sequence.
* Quando il Restart Mode è manuale, è richiesto un segnale RESTART alla fine della sequenza di Override.

FONCTIONS	DIP	RÉGLAGE (EN GRAS PAR DÉFAUT)
Partial Muting	1	OFF: Total Muting ON: Partial Muting
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>) <i>*NON DISPONIBILE SUR SH4-2/3/4-xxxx-SM-AP-8</i>
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter	8	OFF: no muting filter ON: 100ms muting filter

FUNKTIONEN	DIP	EINSTELLUNG (STANDARD FETTGEDRUCKT)
Partial Muting	1	OFF: Total Muting ON: Partial Muting
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>) <i>*NICHT VERFÜGBAR AUF SH4-2/3/4-xxxx-SM-AP-8</i>
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter	8	OFF: no muting filter ON: 100ms muting filter

FONCTIONS	DIP	RÉGLAGE (EN GRAS PAR DÉFAUT)
Override Trigger	1	OFF: Level ON: Edge*
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>)
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter (100ms)	8	OFF: no muting filter ON: 100ms muting filter

FUNKTIONEN	DIP	EINSTELLUNG (STANDARD FETTGEDRUCKT)
Override Trigger	1	OFF: Level ON: Edge*
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>)
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter (100ms)	8	OFF: no muting filter ON: 100ms muting filter

* En cas de redémarrage en mode manuel, un signal de RESTART sera demandé à la fin de la séquence de Override.
* Wenn der Neustartmodus manuell ist, wird am Ende der Override-Sequenz ein RESTART-Signal verlangt.

FUNCIONES	DIP	AJUSTE (POR DEFECTO EN NEGRITA)
Partial Muting	1	OFF: Total Muting ON: Partial Muting
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>) <i>*NO DISPONIBLE EN SH4-2/3/4-xxxx-SM-AP-8</i>
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter	8	OFF: no muting filter ON: 100ms muting filter

功能	DIP	设置（默认为粗体）
Partial Muting	1	OFF: Total Muting ON: Partial Muting
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>) <i>*不适用于 SH4-2/3/4-xxxx-SM-AP-8</i>
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
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FUNCIONES	DIP	AJUSTE (POR DEFECTO EN NEGRITA)
Override Trigger	1	OFF: Level ON: Edge*
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>)
EDM	4	OFF: Disabled ON: Enabled
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功能	DIP	设置（默认为粗体）
Override Trigger	1	OFF: Level ON: Edge*
AIC	2-3	OFF – OFF: no code OFF - ON: code 1 ON - OFF: code 2 ON - ON: not used (<i>Configuration Failure if set</i>)
EDM	4	OFF: Disabled ON: Enabled
Restart Mode	5	OFF: Automatic ON: Manual
Muting Direction	6	OFF: T ON: L
Muting Timeout	7	OFF: 10 min ON: infinite
Muting Filter (100ms)	8	OFF: no muting filter ON: 100ms muting filter

* Cuando el modo de reinicio es manual, se requiere una señal de RESTART al final de la secuencia de Override.
* 在手动重启模式下，强制失效序列结束时要求提供 RESTART 信号。