IDEC
取扱説明書非接触安全スイッチ
HS 7 A－DMC





警告


－注意
本製品を注慧㤦する㤏は，必す安全リルーモジュールまたはセーフティコントローラを使用し本製品は安全リしーモシュールまたはセーフティコントローラ※と組み合わせることにより，

 ＊当社製品ではHR5S形（カテゴリ2／PL d），HR6S形 FS1A形なと。



2 外形図（mm）




## A





## $\underset{\text { •設置上の置 }}{\substack{\text { 注意 }}}$







## －注意 <br> 

## 5 酸線

鉒告


## ヘ注意







 カテゴリ4，PL＝e（EN ISO 13849－1）SIL3 対応回路例


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## INSTRUCTION SHEET <br> Coded Magnetic Switches

HS7A-DMC

HS9Z-ZC


Conifrm that the delivered product is what you have ordered. Read this instruction sheet to
make sure of correct operation. Make sure that the instruction sheet is kept ty the end user. make sure of correct operation. Make sure that the instruction sheet is kept by the end
The products have been designed in accordance with the standards in effect: IEC The products have been designed in accordance with the standards in effect : IEC
$60947-5-1$, EN $60204-1$ to ensure the safety of machine operators and machine operating reliability, and have obtained the ULCSSA Certifications

## SAFETY NOTE

UNINTENDED EQUIPMENT OPERATIO
HSTA-DMC must be used only in association with a safety control unit. Never use
HSTA-DMC without safety control unit.
Faialure to follow these instructions can result in death, serious injury or equipment
damage

## damage.

or is requred for the monitoring of the coded magnetic
safety switches.
The products can support up to category 4/PL e (EN ISO13849-1) by combining with a safet control unitt'See instruction sheet and user's manual for wiring with safety control unt. Use the sactisty swithes for an interlocking device in compliance with laws and regulations
of the country in which tit seing used.
of the country in which it is being used.

| 1 Specifications |
| :--- | :--- |
| Conforming to standards |


| Conforming to standards | IEC / EN 60947-5-1 EN ISO / ISO 14119 UL 508, CSA C22. 2 No. 14 |
| :---: | :---: |
| Interlocking device Type | Type 4 interlocking device |
| Ambient air temperature | Operation :- $-13^{\circ} \mathrm{F}$ to $185^{\circ} \mathrm{F}\left(-25^{\circ} \mathrm{C}\right.$ to |

$\qquad$
Vibration res


B-673 (5)


## 4 Mounting

## Required arrangement wtht ferromagnetic mounting suppo


-Tightening torque, Tightening capacity

\ Use non-magnetic screws only



Operation

- Functional directions - Minimum distance between the magnet and the sensor



## 5 Wiring Diagra

A WARNING
Disconnect all power before working on equipment.
Electric shock will result in death or serious iniur.

## A CAUTION <br> SK OF MATERIAL DAMAGE

- oo not connectldisconnect the safety switches when they are powered The saferty switches integrate internal non resettable shor--ircuit protection (fuse avoid internal protection damage in case of misuse.
The following Category, PL and SIL are examples. They must be evaluated according to
elated standards (ISO 14119, etc. ) atter confirming the usage conditions in the actual elated stan
application.


The following Category, PL and SIL are examples. They must be evaluated according to
felated standards (ISO 14119, etc.) after confiming the usage conditions in the actual application.
Cat $4 /$ PL
e (ENISO 13849-1) / SLL $3-$ HR6S-DN1*


The following Category, PL and SIL are examples. They must be evaluated according to
related standards ISO 14119 , ISO TR 24119 etc. a ater confiming the usage conditions in the ctual aptanicardion.


The following Category, PL and SLL are examples. They must be evaluated according to
related standards (ISO 14119 etc.). after confimming the usage conditions in the actual application.
Cat. 4 /PL=e (ENISO $13849-1)$ / SLL3 - HR6S-AF1** + HSTA-DMC79**
(NO+NO) $)+$ HS9Z-ZC




Connectable HSTA-DMC per Inpu. $\qquad$

|  | HSTA-DMC59** | HSTA-DMC79** |
| :--- | :--- | :--- | :--- | |  | without LED | with LED | without LED |
| :---: | :---: | :---: | :---: |
| HR6S-S/D | with LED |  |  |


| Type No. | LED | Cable | Contact | Type No. | LED | Cable | Contact |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HSTA-DMC5902 | without | 2 m | $\begin{aligned} & \text { No } \\ & \text { NC } \end{aligned}$ | HS7A-DMC7902 | without |  | No+No |
| HSTA-DMC5912 | with | 2 m |  | HSTA-DMC7912 | with | 2 m |  |
| HSTA-DMC5995 | without | 5 m |  | HSTA-DMC7905 | without | 5 m |  |
| HSTA-DMC5995 | ${ }_{\text {without }}^{\text {with }}$ |  |  | HS7A-DMC7915 | $\underset{\text { with }}{\text { without }}$ |  |  |

IDEC CORPORATION

Name and adrosss of the authorized reperesentativiv:A APEM SAS

This decleration of conformity is issued under the sole ssaden Cedexe, France




Applied UUion harmonized degistation and efeferences tot the relevant harmonization standards used
references the o the technical specifications in reation to which conformity is declared

UK declaration of conformity



This declaration of coniormity is issued under the sole responsibility of the manuffacture.


S.1. 2016 No. 1101 Electical Equipment SSafety) Regulation 20016

 $\begin{array}{lll}\text { BS EN 62061:2005 + AC:2010 + A1:2013 + A2:2015, BS EN ECC 63000:2018 } & \\ \text { W91634384011 A07 } & 2 / 2 & 2024.3\end{array}$

