

DckYf"]bY'W\c_Yg

 $\hat{O}^*;_{A}^{\circ} \hat{C}^{\circ} = \hat{A}^{\circ} \hat{C}^{\circ} \hat{C}^{\circ} \hat{A}^{\circ} \hat{C}^{\circ} \hat{C}^{\circ} \hat{A}^{\circ} \hat{C}^{\circ} \hat{C}^{\circ}$

 GYf]Yg#HmdY.
 6,&+&(>,łB

 Öæc^K
 Tæ¦&@ÁG€GG

6,&+&(>, lB

7 iffYbh!Wc a dYbgUhYX'f]b['WcfY'XciV'Y'W\c Yg

FUhYX'jc'hU[Y'&)\$'J'57'#',\$\$'J'87 FUhYX']bX i WhUbWY'\$")'""'(+'a <' FUhYX'WiffYbh'%"*'""'%\$'5'#'Ž+\$'š7

7 cbqhf i Wh]cb

- Ø^¦¦ãc^Á&[¦^Á ¸ãc@Á^][¢^Á&[æcã}*ÁÇWŠÁJIÁXË€D
- Ú|æ•cã&Á&æ•^Á ¸ãc@Áã}Ë { [|å^åÁ]ã}•ÁÇWŠÁJ IÁXË€DFDA
- Øˇ||Å] [ccã} *ÁÇWŚÁJ IÁXÉ€ÉÁÖVQĨ€€D
- Ú^&c[¦Á ã}åã} *
- Q} `|æcā[}Áåã•cæ}&^•Áã}•ãå^Á][ccã}*ÁNGÈÍÁ { {

: YUh i fYg

- Pã*@Á¦^•[}æ}&^Á~¦^~~^}&^Áa~^Ác[Á•]^&ãæ|Á_ã}åä}*Ác^&@}ã~~^Á
- Œ]]¦[¢ÉÁ€ÉÍÃÁ•c¦æ^Áä}å~&cæ}&^Á~[¦Á•^ { {^c¦ä&æ|Áä}c^¦~^¦^}&^Á•~]]¦^••ä[}
- Ùā*}ā-ā&æ}c|^Áā}&¦^æ•^åÁ}[{ {ā}æ|Áā}å*&cæ}&^Áæ}åÁ&*;|^}cÁçæ|*^•ÁæcÁ@ā*@Á!æc^åÁc^{]^!æc*|^
- Ö[{]|^c^|^Á][cc^åÅ-[¦Á|[&æ|Á¦^å~&cā[}Á[-Á][||~cā[}Áå^*¦^^ÁC{ã&¦[Á^}cā¦[}{^^}cDÁ æ}åAc@^¦{æ|A•cæàã|ãc´
- Ù ĭacæà|^Á~[¦Á æç^Á•[|å^¦ã}*
- Ö^•ā*}Á&[{]|ā^•Á、āc@ÁÒÞÁ΀JHÌËGÁÇXÖÒÁ€ÍÎÍËGDGDÁ
- ÒÞÒÔÁÇXÖÒDÁæ]]¦[çæ|HDÁ **¾** 🏤
- Ü[PÙË&[{]æαãà|^

5dd`]WUh]cbg

- Ù `]]¦^••ā[}Á[-Á&[{{[}Ë{[å^Áā}c^¦-^¦^}&^•
- Ú jãc&@Ê { [å^Å] [j^¦Åæ]] |ã&æcã [} •
- Pã*@Ác [|cæ*^Áæ]] |ã&æcã [} •
- ئ^~~^}&^Á&[}c^¦c^!•

HYf a lbU'q

- Óæ•^Á { æc^¦ãæ|ÁÔ ˇ ÞãF Ì Z } GJ€
- Šæ^^¦Á&[{][•ãcã[}ÁÞãÊÁÙ}
- P[cËåã]]^å
- Uã}•Á€ÉĨÁ { { Á¢Á€ÉĨÁ { {
- Š^æåÁ•]æ&ã}*ÁFÍÁ{ {Á¢ÁFGÈÍÁ{ {

AUf]b[

Ú¦[å~&dàlæ}åÊÁ[¦å^¦å}*Á&[å^ÊÁæ]]¦[çæ|Á•å*}ÊÁ*¦æ]@ã&Á•^ { à[]ÊÁ|æc^åÁ&~¦¦^}cÊÁ|æc^åÁÖÔÁç[|cæ*^ÊÁ|æc^å ä}å~&cæ}&^ÉAåæc^Á[~Á{æ}~~æ&c~¦^ÁÇŸŸYYÖEā}c^¦}æ|AQÖÁ&[å^DÉÁ]¦[å~&cā[}Á]|æ&^Áāå^}cä~ä&æcā[}Á&[å^

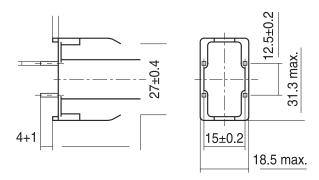
8Y`]jYfm'acXY

■ Ó|ã•c^¦Ác¦æ^Áã}Á&æ¦åà[æ¦åÁà[¢

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FD Όåãcã[}æ||^Á&^¦cã-ã^åÁçæ|~^•K
                                               ÉÌÍ€Á»Ô
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  Óæ||Àަ^•• ˇ¦^Ác^•cÁÇÓÚÁc ſÁQÓÔÁ΀ĨJÍËF€ËGDK
                                               ÉFGÍÁ»Ô
GD Ø[¦ÁŒÔÁ][ \^¦Ë|ā}^Åæ]]|ã&æcā[}•Á[}|^È
HD Ø[¦ÁGÍ€ÁXÁŒÔÁ[}|^È
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8] a Ybg]cbU``XfUk]b[g`UbX`d]b`WcbZ][ifUh]cbg`



Part tolerances to ISO 2768-cL / ISO 8015. Size ISO 14405 (E)

All dimensions in mm

IND1276-L-E

IND1431-0-E



$HYW\ b]WU``XUhU`UbX`\ a\ YUg\ i\ f]b\ [\ `WcbX]h]cbg$

GÍ€ÁXÁŒÔÁÇÍ€ÁÐÁ΀ÁP:DÁÐÁÌ€€ÁXÁÖÔ Üæc^åÁç[|cæ*^ÁX¡



DckYf``]bY'W\c_Yg

6,&+&(>,łB

7 iffYbh!Wc a dYbgUhYX'f]b['WcfY'XciV'Y'W\c_Yg

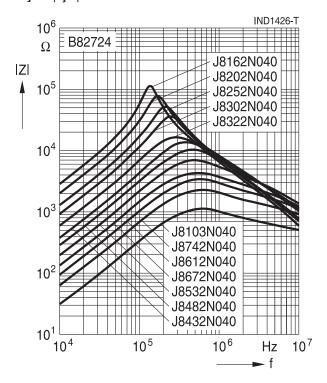
$\label{eq:continuity} \verb|Thut{U}| \ | \ Thut{U}| \$

QÜ	ŠÜ	Š _{•clæ^Ēc^]}	Üçî]	U¦å^lå} *Á&[å^
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ÁÁFÉÎ	ΙΪ	F̀ɀ	GJÍ	ÓÌGÏGIRÌFÏGÞ€I€
ÁÁGÈ€	HH	FF€Ì€	G€€	ÓÌGÏGIRÌG€GÞ€I€
ÁÁGÈ Í	GG	ÁÁÏÍÈ€	FHÍ	ÓÌGÏGIRÌGÍGÞ€I€
ÁÁHÈ€	FÍ	ÁÁIÍÈ€	ÁÁJ€	ÓÌGÏGIRÌH€GÞ€I€
ÁÁHÈG	F€	ÁÁHIÈ€	ÁÁÌ€	ÓÌGÏGIRÌHGGÞ€I€
ÁÁIÈH	ÁÁÎÈÌ	ÁÁH€È€	ÁÁI€	ÓÌGÏGIRÌIHGÞ€I€
ÁÁIÈÌ	ÁÁIÈÏ	ÁÁFÍÈÍ	ÁÁHG	ÓÌGÏGIRÌIÌGÞ€I€
ÁÁ Í ÈH	ÁÁHÈH	ÁÁFÏÈ€	ÁÁG Î	ÓÌGÏGIRÌÍHGÞ€I€
ÁÁÎÈF	ÁÁFÈÍ	ÁÁÁÁ ÎÈ€	ÁÁFI	ÓÌGÏGIRÌÎFGÞ€I€
ÁÁÎÈÏ	ÁÁGÈG	ÁÁÁÁ Ì È€	ÁÁFÏ	ÓÌGÏGIRÌÎÏGÞ€I€
ÁÁÏÈI	ÁÁFÈ€	ÁÁÁÁ Í È€	ÁÁFG	ÓÌGÏGIRÌÏIGÞ€I€
F€È€	ÁÁ€ÈÍ	ÁÁÁÁHÈ€	LÀÀÀÀ	ÓÌGÏGIRÌF€HÞ€I€

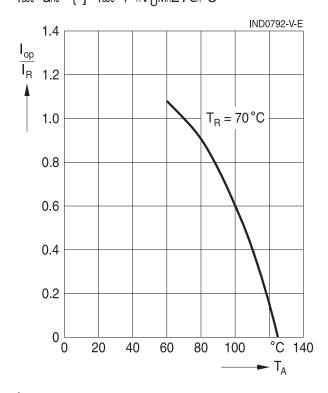
7 iffYbh!Wc a dYbgUhYX'f]b['WcfY'XciV'Y'W\c_Yg

= a dYXUbWY'pNp' jYfg i g'ZfYe i YbWm Z

{ ^æ•`¦^åÁ¸āc@Á¸ā}åā} *•Áā}Á]æ¦æ||^|ÁæcÁÉG€Á»ÔÊ c^]ā&æ|Áçæ|`^•



7 i ffYbh'XYfUh]b [ˈ=cd#=F jYfg i g'U a V]Ybh'hY a dYfUh i fY'H₅ ¦æc^åÁc^ {]^\æc`\^ÁV¡¡MÁÉÏ€Á»Ô



Á



7Uih]cbg'UbX'kUfb]b[g

- Ú|^æ•^Á} [c^Ác@^Á:^&[{ { ^}åæcā[}•Áä}Á[~;ÁQ}å~&c[:•ÁåæcæÁà[[\ÁÇ|æc^•cÁ^åācā[}DÁæ}åÁä}Ác@^Áåæcæ •@^^c•È
 - . Úæ¦cã&~|æ¦Áæcc^}cā[}Á•@[~|åÁà^Á]æãåÁc[Ác@^Áå^¦æcã}*Á&~¦ç^•Á*ãç^}Ác@^¦^È
 - . V@^Á•[|å^iā} *Á&[}åācā[}•Á•@[~|åÁæ|•[Áà^Á[à•^!ç^åĒÁV^{]^!æc~!^•Á~~[c^åÁā}Á!^|æcā[}Ác[Á¸æç^ •[|å^iā} *Á!^~^!Ác[Ác@^Á]ā}ĒÁ}[cÁc@^Á@[~•ā}*È
- 0-Ác@^Á&[{][}^}c•Áæ!^Ác[Áà^Á¸æ•@^åÁçæ!}ã•@^åÁācÁā•Á}^&^•æ!^Ác[Á&@^&\Á¸@^c@^!Ác@^Á¸æ•@ã}*
 çæ!}ã•@Áæ*^}cÁc@æcÁā•Á`•^åÁ@æ•ÁæÁ}^*æcāç^Á^-~&cÁ[}Ác@^Á¸ā!^Áā}•`|æcā[}ÊÁæ}^Á]|æ•cã&•Ác@æcÁæ!^Á`•^åÊ
 [!Á[}Á*|`^åÁb[ā}c•ÈÁQ}Á]æ!cã&`|æ!ÊÁācÁā•Á][••ãà|^Á~[!Á¸æ•@ã}*Áçæ!}ã•@Áæ*^}cÁ!^•ãå`^•Ác[Á@æç^Áæ
 }^*æcāç^Á^-~^&cÁā}Ác@^Á|[}*Ëc^!{Á[}Á¸ā!^Áā}•`|æcā[}È

 Yæ•@ã}*Á]![&^••^•Á{æ^Aåæ{æ*^Ac@^Á]![å`&cÁa`^Ác[Ác@^Á][••āà|^Á•cæcã&Á[!Á&^&|ã&Á{^&@æ}}ã&æ|
 |[æå•ÁÇ^È*ÈÁ`|c¦æ•[}ã&Á&|^æ}ã}*DÈÁV@^^Á{æ^Á&æ`•^Á&¦æ&\•Ác[Áå^ç^|[]Á[}Ác@^Á]![å`&cÁæ}åÁic•Á]æ!c•Ê
 @ã&@Á{ā*@cÁ|^æåÁc[Á!^å`&^åÁ!^|ãæàá]āc^Á[!Á[ā~^cā{^ÈÁÁ
- V@^Á~[||[, ā} *Á] [ā} c•Á { `•cÁà^Á[à•^!ç^åÁã-Ác@^Á&[{][}^}c•Áæ!^Á] [cc^åÁã}Á& `•c[{ ^!Áæ]]|ã&æcã[}•KÁ
 . Tæ} ^Á] [ccã} *Á { æc^!ãæ|•Á•@!â} \Áæ•Ác@^^Á@æ!å^}ÈÁV@^^Ác@^!~[!^Á^¢^!cÁæÁ]!^•*'!^Á[}Ác@^Á]|æ•cã&
 @[`•ā} *Á [!Á&[!^ÈÁV@ã•Á]!^••`!^Á&æ}Á@æç^ÁæÁå^|^c^!ā[`•Á^--^&cÁ[}Á^|^&c!ã&æ|Á]![]^!cã^•ÊÁæ}åÁã}
 ^¢c!^ { ^Á&æ•^•Á&æ}Áåæ { æ*^Ác@^Á&[!^Á[!Á]|æ•cã&Á@[`•ā} *Á { ^&@æ}ã&æ||^È
 - . QcÁā•Á}^&^•œ¦^Ác[Á&@^&\Á¸@^c@^¦Ác@^Á][ccā}*Á{æc^¦āæ|Á`•^åÁæccæ&\•Á[¦Áå^•c¦[^•Ác@^Á¸ā¦^ÊÁ¸ā¦^ ā}•`|æcā[}ÊÁ]|æ•cā&•Á[¦Á*|`^È
 - . V@^Á^~~^&cÁ[~Ác@^Á][cci}*Á{æc^\iäæ|Á&æ}Á&@æ}*^Ác@^Á@i*@Ë~\^~~^}&^Áa^@æçi[~\Á[~Ác@^Á&[{][}^}c•È
 - . Tæ}^Á&[æcā}*Á { æc^¦āæ|•Á@æç^ÁæÁ}^*æcāç^Á^~~^&cÁÇ&@^ { ā&æ||^Áæ}åÁ { ^&@æ}ā&æ||^DÁ[}Ác@^Á¸ā}åä}*
 ¸ā¦^•ÊÁā}•`|æcā[}Á { æc^¦āæ|•Áæ}åÁ&[}}^&cā}*A][ā}c•ÈÁÔ`•c[{ ^!•Áæ¦^Áæ|,æ^•Á[à|ā*æc^åÁc[
 å^c^! { ā}^Á¸@^c@^¦Áæ}åÁc[Á¸@æcÁ^¢c^}cÁc@^ā¦Á&[æcā}*Á { æc^¦āæ|•Áā}~|`^}&^Ác@^Á&[{][}^}cÈ
 Ô`•c[{ ^!•Áæ}^Á\;^•][}•āà|^Áæ}åÁà^æ¦Áæ}áÄà à^æ¦Áæ||Á|á;•\Á~[¦Ác@^Á`•^A[-Ác@^Á&[æcā}*Á { æc^¦āæ|ÈÁ VÖS
 Ò|^&c![}ā&•Áå[^•Á}[cÁæ••`{ ^Áæ}^A|āæàā|āc^Á-[¦Á-æā|`¦^•Á[-Á[`¦Á&[{][}^}c•Ác@æcÁæ!^Á&æ`•^åÁà^Ác@^
 &[æcā}*Á { æc^¦āæ|È
- Ô^!æ { ã&•ÁĐÁ~^!!āc^•Áæ!^Á•^} •ācāç^Ác [Áåã!^&cÁã {]æ&cÈÁV@ã•Á&æ}Á&æ*•^Ác@^Á&[;^Á { æc^!ãæ|Ác[Á~|æ\^ÊÁ[; |^æåÁc[Áà:^æ\æ*^Á[-Ác@^Á&[;^È
- Òç^}Á~[!Á&ˇ•c[{^!Ë•]^&ā-ā&Á]![åˇ&c•ÊÁ&[}&|ˇ•āç^Áçæ|āåæcā[}Á[~Ác@^Á&[{][}^}cÁā}Ác@^Á&ā!&ˇācÁ&æ}
 [}|^Áà^Á&æ!!ā^åÁ[ˇcÁà^Ác@^Á&ˇ•c[{^!È}

8]gd`Um`cZ`cfXYf]b['WcXYg'Zcf'H8?'9`YWhfcb]Wg'dfcXiWhg

 $\label{eq:condition} $$ V@^{i}_{a^i} * ia^i * ia^$



=adcfhUbh'bchYg

 $V@^{\dot{a}} = [|[\tilde{a}] * \dot{a}] | \tilde{a} - \dot{a}[[\dot{a}] | \tilde{a}] | [\tilde{a} & c - \dot{a}] \approx {^{\dot{a}}} | \tilde{a}[[\dot{a}] | \tilde{a}] | \tilde{a}[[\dot{a}] | \tilde{$

- FÈ Ù[{^Á]æ¦c•Á[-Ác@ã•Á]`à|ã&æcã[}Á&[}cæã}ÁghUhY a Ybhg˙UVcih˙h\Y˙gi]hUV]`]hm˙cZ˙cif˙dfcXiWhg˙Zcf WYfhU]b˙UfYUg˙cZ˙Udd`]WUh]cbÈÁV@^•^Á•cæc^{^}c•Áæ¦^Áàæ•^åÁ[}Á[ˇ;Á\}[¸|^å*^Á[-Ác^]ã&æ|Á;^ˇã¦^-{^}c•Ác@æcÁæ¦^Á[-c^}Á]|æ&^åÁ[}Á[ˇ;Á];[åˇ&c•Áã}Ác@^Áæ¦^æ•Á[-Áæ]]|ã&æcã[}Á&[]&^¦}^åÈÁ Y^Á}^ç^!-c@^|^••Á^¢];^••|^Á][ã}cÁ[ˇcÁh\Uh˙giW\˙ghUhY a Ybhg˙WUbbch˙VY˙fY[UfXYX˙Ug˙V]bX]b[˙ghUhY a Ybhg˙UVcih˙h\Y˙gi]hUV]`]hm˙cZ˙cif˙dfcXiWhg˙Zcf˙U˙dUfh]Wi`Uf˙Wighca Yf˙Udd`]WUh]cbˈÁŒ•ÁæÁ¦˙|^ÉÁ¸^æ!^Ánāc@^!Á¸}~æ{ājāæ;Á¸āc@Áið}åäçã县|Á&ˇ•c[{^!Áæ]]|ã&æcã[}•Á[!Á|^••Áæ{ājāæ;Á¸āc@Ác@^{Á&ˇ•c[{^!Ác[&a^^]*Ác@^{A&¸a^*}&a^*]}&c@^{A&¸a^*}&a^*]*[âˇ&cÁ•]*ac@^Aa^*•&!ãà^åÅã}&c@^Á];[åˇ&cÁ•]^&ā-ã&æcã[}Áe•ăæ^Aa^*•&!ãà^åÅã}Ac@^Á];[åˇ&cÁ•]^&ā-ã&æcã[}Áe•ăæà|^Á-[!Á*•^Áā}AæÁ]æ!cã&¯[ac@Ac@^A]];[]^!cã^•Áā^•&!ãà^åÅã}Ac@^Á];[åˇ&cÁ•]^&ā-ã&æcã[}Áe•ăæà|^Á-[!Á*•^Áā}AæÁ]æ!cã&¯[ac@Ac@^A]];[]^!ā&æcã]}È
- GÈ Υ^Áæ|•[Á][ã}cÁ[~cÁc@æc]b]bX]j]XiU``WUgYgž'U' a U`ZibWh]cb'cZ'Y`YWhfcb]W'Wc a dcbYbhg'cf'ZU]-ifY'VYZcfY'h\Y'YbX'cZ'h\Y]f'igiU``gYfj]WY``]ZY'WUbbch'VY'Wc a d`YhY`m'fi`YX'cih']b'h\Y'WiffYbh ghUhY'cZ'h\Y'Ufhž'YjYb']Z'h\Ym'UfY'cdYfUhYX'Ug'gdYW]Z]YX''ÁQ}Á&~•c[{^!Áæ]]|ã&æcā[}•Á!^~šiā}*Áæ
 ç^!^Á@ā*@Á|^ç^|Á[-Á[]^!æcā[}æ|Á•æ-^c^Áæ}åÁ^•]^&åæ||^Áā}Á&~•c[{^!Áæ]]|ã&æcā[}•Ái^~šiā}Á&&å~`}&cā[}Á[!Á-æā|`'.^Á[-Áæ}Á^|^&c![}ā&Á&[{]]}^>cÁ&[`|åÁ^}åæ}*^!\Å@`*&\$A|ā-^Á[!Á@^æ|c@Áç^È*ÈÁā}Áæ&&āå^}cÁ]!^ç^}cā[}Á[!Á|ā-^Ē•æçā}*Á•^•c^{{•DĒÁācÁ}{`*•cÁc@^!^-[!^Áà^Á^}•`'!^åÁà^Á{^**ec[{^!Á@^æ|c@Áj^È*ÈÁā}*cæ||æcā[}Á[-Á]![c^&cāç^A&āi&*āc!^Á[!Á!^å*}åæ}&^DÁc@æcÁ}[Ái}b*'!^Á[!Áåæ {æ*^Ái•Á•*•cæā}^aAàà^Ac@āiåÁ]æ!cā^•Áā}Ác@^Á^ç^}c
 [-Á{æ|-*}&cā[}Á[!Á-æā]*!^Á[-Áæ]Á^|^&c![}ā&Á&[{]]}^^}cÈ
- HÈ H\Y'kUfb]b[gž'WUih]cbg'UbX'dfcXiWh!gdYW]Z]W'bchYg'aigh'VY'cVgYfjYXÈ
- IÈ Q}Á[¦å^¦kc[h•æcā•~^k&^¦cæā}kc^&@}ā&æ|Á¦^~~ă¦^ { ^}c•ÊÁgc a Y'cZ'h\Y'dfcXiWhg'XYgWf]VYX']b'h\]g'diV`]WUh]cb' a Um'WcbhU]b' gi VghUbWYg' gi V^YWh'hc'fYghf]Wh]cbg']b' WYfhU]b' hif]gX]Wh]cbg'flY"["'VYWUigY'h\Ym'UfY'W'UggYX'Ug'\UnUfXcigŁÊÁW•^~`|Áā}~[¦ {æcā[}Á[}Ác@ā•Á¸ā||Áà^Á~[`}åÁā}Á[`¦ÁTæc^¦āæ|
 ÖæcæÁÙ@^^c•Á[}kc@^ÁQ}c^¦}^ckc¦[}ā&•Ècå\È&[{Ð{æc^¦āæ|DÈÁÙ@[`|åÁ^[`Á@æç^Áæ}^Á{[!^aa^cæā|^åÁ``^•cā[}•ÊÁ]|^æ•^Á&[}cæ&cÁ[`;Á•æ|^•Á[~ā&^•È
- ÎÈ W}|^••Á[c@^¦¸ã•^Áæ*¦^^åÁā}åāçāå ˇæ|Á&[}clæ&c•ÊÁU```cfXYfg'UfY'giV'YWh'hc'cif'; YbYfU``HYfag UbX'7cbX]h]cbg'cZ'Gidd`mÈ



= a dcfhUbh bchYg

Ü^|^æ•^ÁG€G€Ë€Î