



Product Service

CERTIFICATE

No. B 013332 0221 Rev. 01

Holder of Certificate: IDEC CORPORATION
2-6-64 Nishimiyahara, Yodogawa-Ku
Osaka
532-0004 JAPAN

Certification Mark:



Product: Switches
Emergency Stop Switches

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 73583551-07

Valid until: 2025-09-26

Date, 2020-09-28

(Yoshio Sato)



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Model(s): XW1E, XA1E, XN1E, XN4E, XN5E series

Nomenclature

XW1E - L V 4 x 1 2 Q4 M R - xx - xxxxxx
I II III IV V VI VII VIII IX X XI

I. Basic Model Designation:

XW1E: XW1E series

II. Function:

B: Non-illuminated

L: Illuminated

T: Illuminated (Linked to operation)

III. Button Size:

4: ø 40

4T: ø 38 (Round form type)

5: ø 60

IV. Color for Body of Button:

None: Yellow

G: Green

V. Number of NO contact:

0 to 3

VI. Number of NC contact:

1 to 4

VII. LED Rated Voltage:

None: Non-illuminated

Q4: AC/DC 24 V

Q3: AC/DC 12 V

Q2: AC/DC 6 V

Q1: DC 5 V

VIII. Terminal Form:

None: Solder terminal

V: PWB terminal

M: M3 Screw terminal

MF: M3 Screw terminal with terminal cover, XW9Z-VL2MF

IX. Button Color:

R or R-EMO*: Red

RH or RH-EMO*: Bright Red

N: Gray (Not suitable as emergency stop switch)

Y: Yellow (Not suitable as emergency stop switch)

B: Black (Not suitable as emergency stop switch)

W: White (Not suitable as emergency stop switch)

S: Blue (Not suitable as emergency stop switch)

G: Green (Not suitable as emergency stop switch)

*: may be followed by letter(s) and/or number(s)



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X. Connection:

None: Without Connector PWB
BC*: With Connector on PWB (Ui=250 V)
BC: With Connector on PWB (Ui=125 V)

*: letter(s) and/or number(s)

XI. Additional letter(s) and/or number(s) (Optional):

Manufacturer control number

XA1E - L V 4 x 1 2 x Q4 x R xxxxxx
I II III IV V VI VII VIII IX X XI

I. Basic Model Designation:

XA1E: XA1E series

II. Function:

B: Non-illuminated
L: Illuminated

III. Button Size:

3: ø 29
3T: ø 30 (Round form type)
4: ø 40
4T: ø 40 (Round form type)

IV. Body Structure:

None: Separate-body type
U: Uni-body type

V. Number of NO contact:

0 to 3

VI. Number of NC contact:

1 to 4

VII. Protection Degree:

None: IP65
K: IP40

VIII. LED Rated Voltage:

None: Non-illuminated
Q4: AC/DC 24 V
Q3: AC/DC 12 V
Q2: AC/DC 6 V
Q1: DC 5 V

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IX. Terminal Form:

None: Solder terminal
V: PWB terminal
T: Tab terminal

X. Button Color:

R or R-EMO*: Red
RH or RH-EMO*: Bright Red
RM: Red (Arrow-marked Button of Round Form type for Illuminated type) or
Bright Red (Arrow-marked Button of Round Form type for Non-Illuminated type)
N: Gray (Not suitable as emergency stop switch)
Y: Yellow (Not suitable as emergency stop switch)
B: Black (Not suitable as emergency stop switch)
W: White (Not suitable as emergency stop switch)
S: Blue (Not suitable as emergency stop switch)
G: Green (Not suitable as emergency stop switch)

*: may be followed by letter(s) and/or number(s)

XI. Additional letter(s) and/or number(s) (Optional):

Manufacturer control number

XN1E - L V 4 1 2 Q4 MF R - xx - xxxxxx
I II III IV V VI VII VIII IX X XI

I. Basic Model Designation:

XN1E: XN1E series
XN4E: XN4E series
XN5E: XN5E series

II. Function:

B: Non-illuminated
L: Illuminated
T: Illuminated (Linked to operation)

III. Operation:

L: Push Lock and Turn Reset, Padlock type
D: Push Lock and Turn Reset, Indicator type
V: Push Lock and Turn Reset or Pull Reset type

IV. Button Size:

4: ø 40 (Push Lock and Turn Reset or Pull Reset type) or
ø 44 (Push Lock and Turn Reset, Padlock type and Indicator type)
5: ø 60

V. Number of NO contact:

0 to 3

VI. Number of NC contact:

1 to 4



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VII. LED Rated Voltage:

None: Non-illuminated
Q4: AC/DC 24 V
Q3: AC/DC 12 V
Q2: AC/DC 6 V
Q1: DC 5 V

VIII. Terminal Form:

None: Solder terminal
V: PWB terminal
M: M3 Screw terminal
MF: M3 Screw terminal with terminal cover, XW9Z-VL2MF

IX. Button Color:

R or R-EMO*: Red
RH or RH-EMO*: Bright Red
N: Gray (Not suitable as emergency stop switch)
Y: Yellow (Not suitable as emergency stop switch)
B: Black (Not suitable as emergency stop switch)
W: White (Not suitable as emergency stop switch)
S: Blue (Not suitable as emergency stop switch)
G: Green (Not suitable as emergency stop switch)

*: may be followed by letter(s) and/or number(s)

X. Connection:

None: Without Connector PWB
BC*: With Connector on PWB (Ui=250 V)
BC: With Connector on PWB (Ui=125 V)

*: letter(s) and/or number(s)

XI. Additional letter(s) and/or number(s) (Optional):

Manufacturer control number

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Parameters:

AC:	250 V, 1.5 A (AC-15) 125 V, 1.5 A for Connector type (AC-15)
DC:	30 V, 1 A (DC-13)
Contacts:	1 to 4 for NC, 0 to 3 for NO. Total 4 contacts maximum 1 NO for LED (max. rating 24 V AC/DC) may be provided
Conventional free air thermal current (I _{th}):	5 A
Rated Insulation voltage (U _i):	300 V 250 V (Screw terminal type)
Rated Impulse withstand voltage (U _{imp}):	2.5 kV 1.5 kV (Connector type)
Protection class:	II
Protection degree:	IP65 except XA1E followed by designated K (for Panel Front) IP40 for XA1E followed by designated K (for Panel Front) IP20 (for Terminal with cover, XW9Z-VL2MF)
Pollution degree:	3 (internal of LED unit for XA1E series: 2)
Overvoltage category:	II
Conditional short circuit current:	1 kA
Mechanical durability:	250 000 cycles (900 cycles / hour)
Electrical durability:	100 000 cycles (900 cycles /hour)
Ambient Temperature Range:	-25 to 60 °C
Max. Altitude:	3000 m

Tested according to: EN 60947-5-5:1997/A2:2017

Production Facility(ies): 016464, 103636

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