

uprox[®]+ large rectangular design

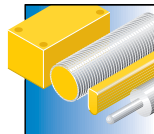


The uprox[®]+ rectangular types offer highest flexibility in terms of installation, thus providing completely new application possibilities. All non-flush rectangular uprox[®]+ sensors are 4-side embeddable with reduced switching distance. Additional mechanical components and accessories are not required. As a result, installation is cost-effective, quicker and easier.

Features

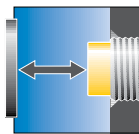
- Highest switching distance
- Factor 1 for all metals
- Excellent EMC properties and magnetic field resistance
- Non-flush rectangular sensors are partially embeddable

Properties



Designs

From the variable 40 x 40 mm standard CK 40 to the large Ø 90 mm K90SR



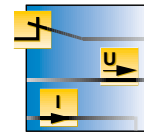
Switching distances

Large switching distances between 20 mm and max. 100 mm on all metals



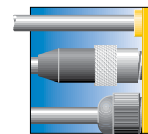
Materials

Rugged plastic housing for harsh and uncompromising application conditions



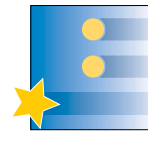
Electrical versions

3/4-wire NO/NC contact as well as antivalent output, PNP and NPN



Electrical connections

2 m connection cable or male M12 x 1



Special features

Protection class IP68; high luminance corner LEDs; variable orientation of active face in 5 directions



Internet link

Scan the QR code to access our products on the internet

CK40



General data

Connection	male, M12 x 1	Housing material	PBT
Dimensions	40 x 40 x 65 mm		

Variable orientation of active face in 5 directions

Types and data – selection table

Type	Operating voltage	Output	Switching distance	Operating current	Ambient temperature	w	d
BI30U-CK40-AP6X2-H1141	10...30 VDC	PNP	30 mm,	200, (K)	-10...+60 °C	w002	d012
BI20U-CK40-AP6X2-H1141	10...30 VDC	PNP	20 mm,	200, (K)	-30...+85 °C	w002	d013
BI15U-CK40-AD4X-H1144	10...65 VDC	2-wire	15 mm,	100, (K)	-25...+70 °C	w004	d013
NI50U-CK40-AP6X2-H1141	10...30 VDC	PNP	50 mm,	200, (K)	-30...+85 °C	w002	d012
NI50U-CK40-VP4X2-H1141	10...65 VDC	PNP	50 mm,	200, (K)	-30...+85 °C	w005	d012
NI35U-CK40-AD4X-H1144	10...65 VDC	2-wire	35 mm,	100, (K)	-25...+70 °C	w004	d012

Many different types available, also as NPN version, see type code

QV40



General data

Connection	male, M12 x 1	Operating voltage	10...30 VDC
Output	PNP	Housing material	PBT
Operating current [mA]	200, (K)	Ambient temperature	-30...+85 °C
Dimensions	40 x 40 x 65 mm		

Variable orientation of active face in 5 directions

Types and data – selection table

Type	Switching distance	w	d
BI20U-QV40-AP6X2-H1141	20 mm,	w002	d014
NI50U-QV40-AP6X2-H1141	50 mm,	w002	d014

CP40



General data

Connection	Terminal chamber	Housing material	PBT
Operating current [mA]	200,	Dimensions	40 x 40 x 114 mm

Variable orientation of active face in 9 directions

Types and data – selection table

Type	Operating voltage	Output	Switching distance	Ambient temperature		
BI30U-CP40-AP6X2	10...30 VDC	, PNP	30 mm,	-10...+60 °C	w006	d015
BI20U-CP40-AP6X2	10...30 VDC	, PNP	20 mm,	-30...+85 °C	w006	d015
NI50U-CP40-AP6X2	10...30 VDC	, PNP	50 mm,	-30...+85 °C	w006	d015
NI50U-CP40-VP4X2	10...65 VDC	, PNP	50 mm,	-30...+85 °C	w007	d015

Many different types available, also as NPN version, see type code

Q42



General data

Connection	male, M12 x 1	Operating voltage	10...30 VDC
Output	, PNP	Switching distance	50 mm,
Housing material	PA	Operating current [mA]	200,
Ambient temperature	-40...+100 °C	Dimensions	42.5 x 42.5 x 68 mm

Types and data – selection table

Type		
NI50U-Q42FWD-VP6X-H1141	w005	d016
NI50U-Q42TWD-VP6X-H1141	w005	d017

Q80



General data

Connection	male, M12 x 1	Housing material	PBT
Operating current [mA]	200, (K)	Ambient temperature	-25...+70 °C
Dimensions	80 x 40 x 92 mm		

Types and data – selection table

Type	Operating voltage	Output	Switching distance	w	d
BI50U-Q80-AP6X2-H1141	10...30 VDC	, PNP	50 mm,	w002	d018
BI50U-Q80-VP4X2-H1141	10...65 VDC	, PNP	50 mm,	w005	d018
NI75U-Q80-AP6X2-H1141	10...30 VDC	, PNP	75 mm,	w002	d018
NI75U-Q80-VP4X2-H1141	10...65 VDC	, PNP	75 mm,	w005	d018

Many different types available, also as NPN version, see type code

K90



General data

Operating voltage	10...65 VDC	Output	, PNP
Switching distance	100 mm,	Housing material	PBT
Operating current [mA]	200, (K)	Ambient temperature	-30...+85 °C
Dimensions	75 x 60 x 130 mm		

Types and data – selection table

Type	Connection	w	d
NI100U-K90SR-VP4X2	Terminal chamber	w007	d019
NI100U-K90SR-VP4X2-H1141	male, M12 x 1	w005	d020

Many different types available, also as NPN version, see type code