elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100



Joystick J3 - controle na ponta dos dedos

Barramento CAN bus, montado pela parte inferior

Com a tecnologia de sensores de efeito Hall, o joystick J3, graças ao seu design compacto e robusto, é ideal para aplicação em painéis de controle de caminhões móbil, veículos municipais, bem como em máquinas agrícolas e de construção civil.

Especificação Técnica:

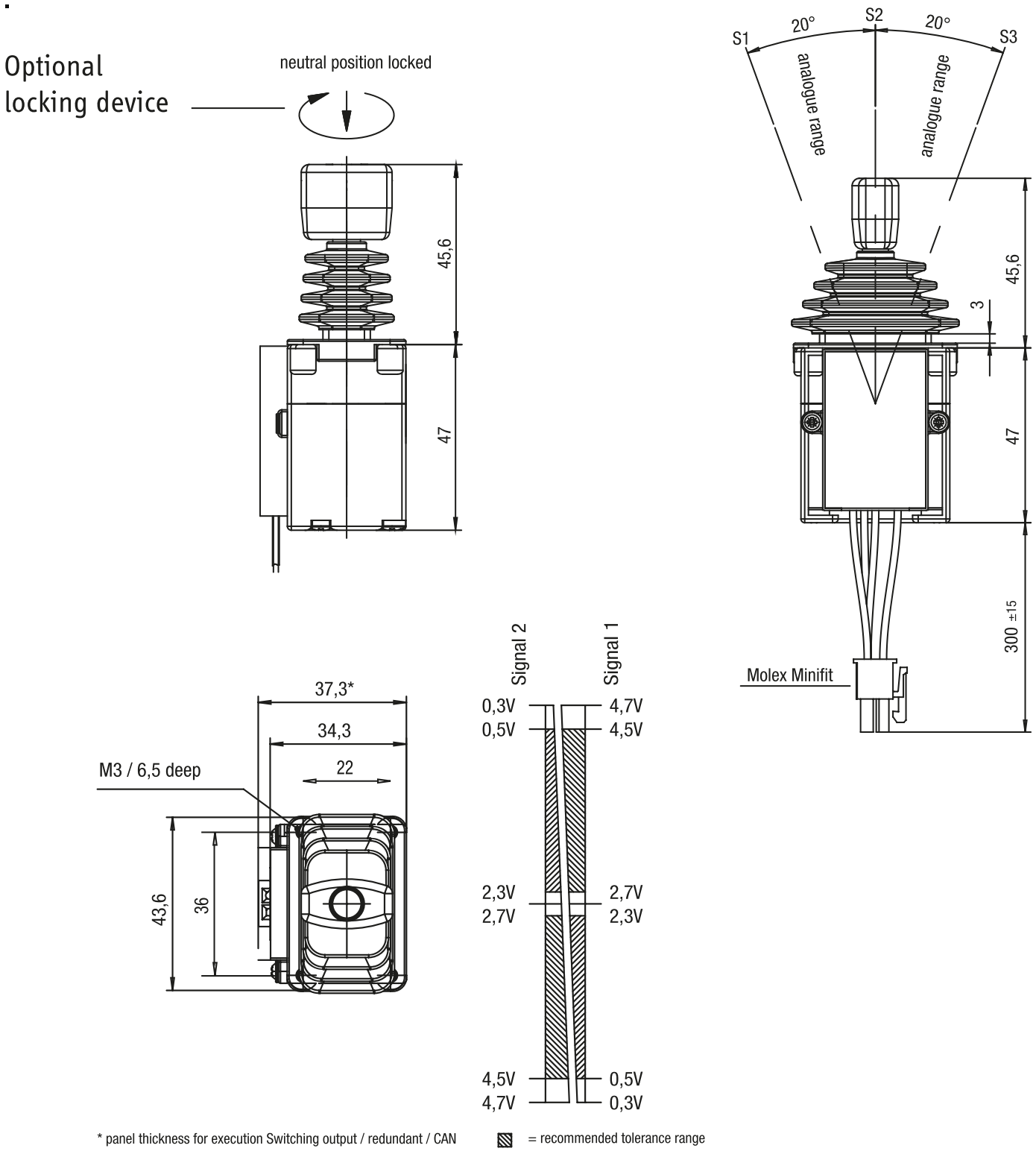
- 4 tipos de atuação: sem detente / com detente, com trava por fricção ou travamento da posição central
- Alta confiabilidade e vida útil devido à tecnologia de sensores de efeito Hall e tecnologia reed
- Disponível com diferentes sinais de saída: analógico, redundante ou saídas digitais
- Conexão CAN bus (CANopen/SAE J 1939)
- Disponível com várias opções de alavanca de atuação, om com até um botão de acionamento com sinal de saída digital
- Classe de proteção IP67, ideal para uso em ambientes com condições severas
- Ângulo de atuação ±20° ou ±25°

elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

Desenho técnico

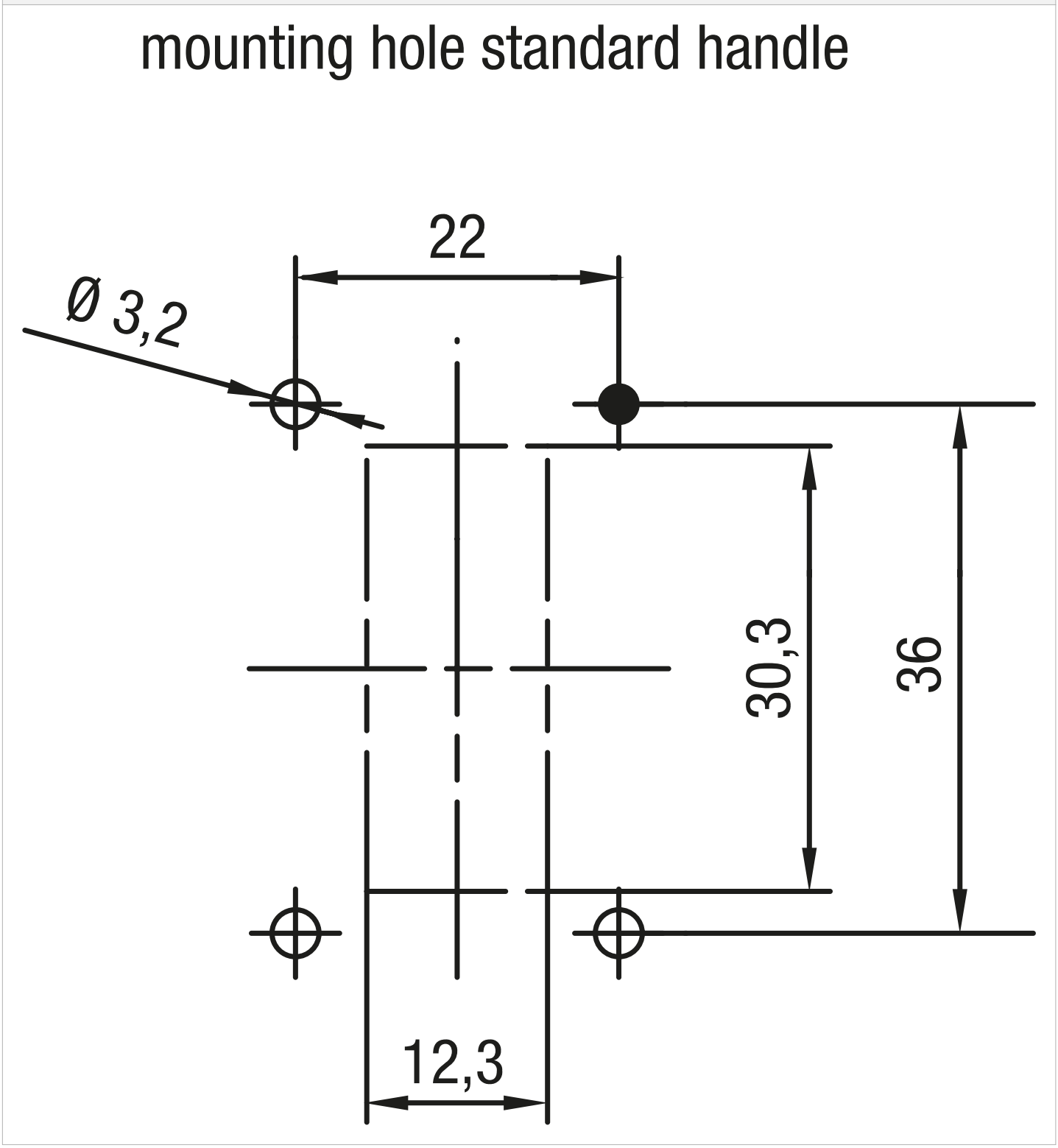
IMAGE 1/4



elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

IMAGE 2/4



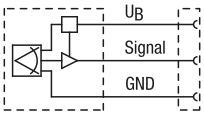
elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

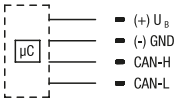
IMAGE 3/4

Standard

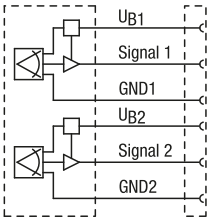
Analogue



CAN

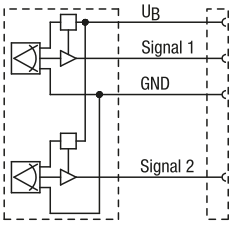


Redundant

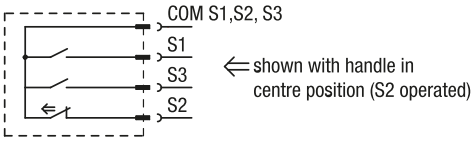


Optional

Semi-redundant



Switching output

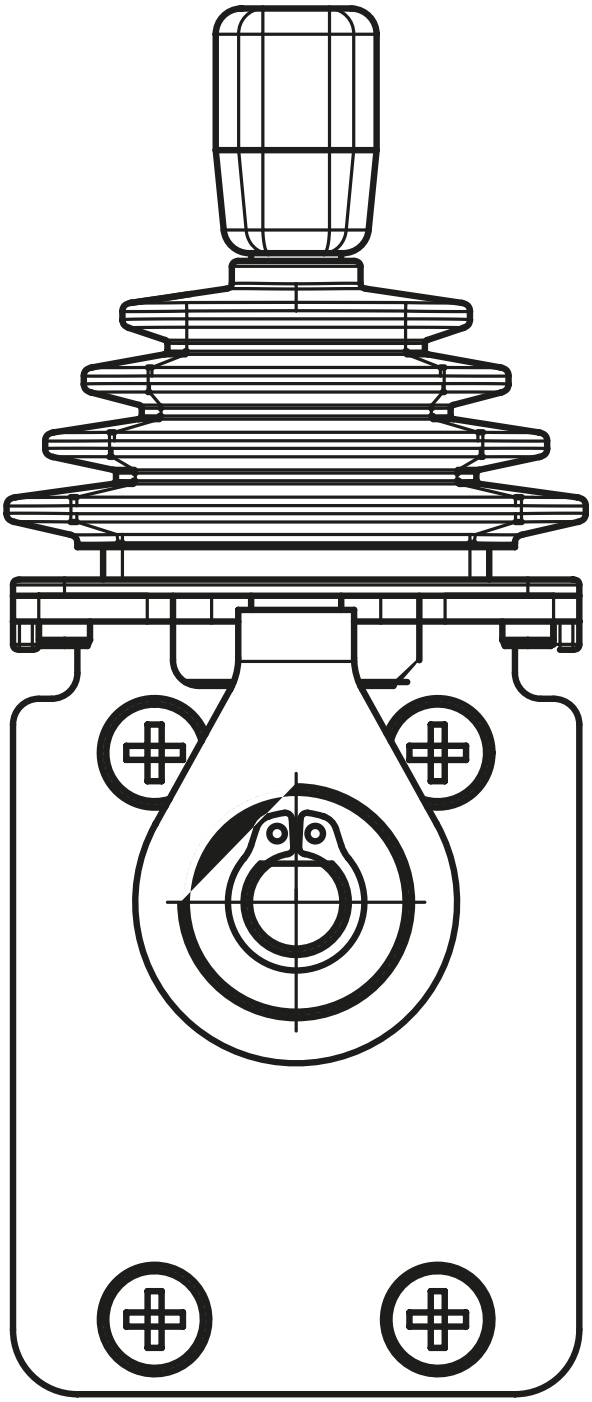


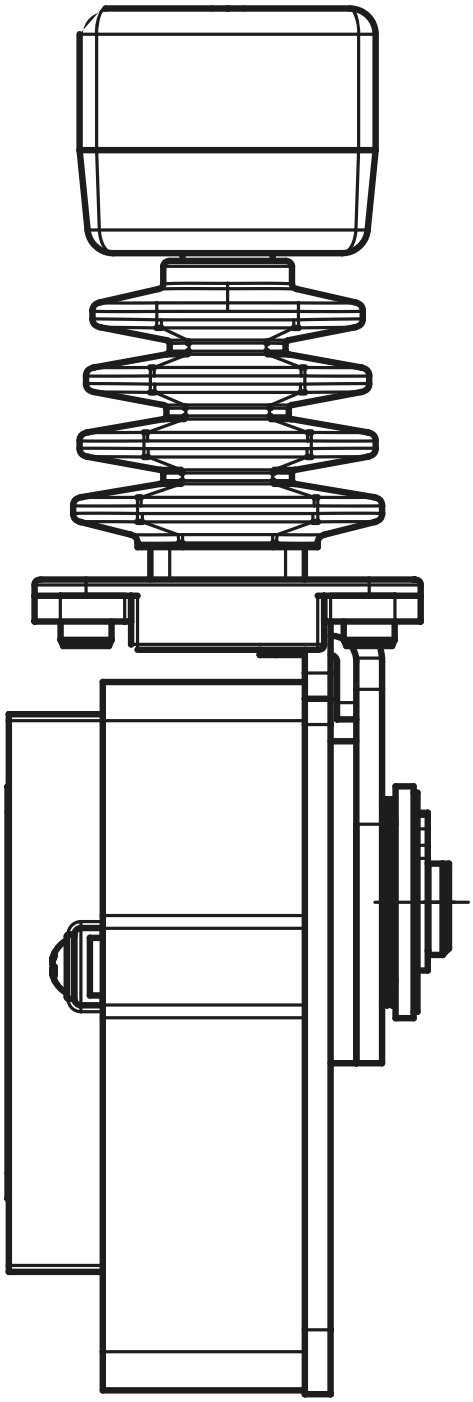
elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

IMAGE 4/4

Optional with friction brake J3..AH. .





elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

Product options

IMAGE 1/1

ORDERING KEY

J3							Single axis joystick
							Electronics
	A	1					Analogue 4-20 mA DC
	A	6					Analogue 0.5-4.5 V DC, ratiometric
	A	7					Analogue 0.5-4.5 V DC
	R	1					Redundant 4-20 mA DC
	R	6					Redundant 0.5-4.5 V DC, ratiometric
	R	7					Redundant 0.5-4.5 V DC
	C	0					CANopen
	C	J					CAN J1939
							Function
			A	A			No detent
			A	B			Detent
							Locking device
					0		Centre position cannot be locked mechanically
							Handle version
						A	Standard handle

Optional		
Electronics	Semi-redundant electronics module	
	Electronics module switching output	
	CAN (CANopen/J1939)	Baud rate
		Node ID (CANopen): tbd.
		Source Adress (J1939): 0x70….0x79
Mechanics	Actuation type	No detent 25°
		No detent 25°
		Front detent only 20°/25°
		Friction brake, J3 handle on hand-throttle module
	Centre position mechanically lockable Twist lock	
Handle	Handle J2 with up to 1 push button	Various push button configurations s. 145MT…

elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

Características do artigo

Attribute	J3A6...	J3CJ...	J3CO...
Polarity reversal protection	yes		
Output signal min.	0.5 V DC	-	
Output signal max.	4.5 V DC	-	
Output signal	analogue	-	
Output signal - centre position/zero position	2.5 V DC	-	
EMC immunity (Norm)	DIN EN 13309, DIN EN ISO 14982, ISO 13766, DIN EN 12895		
EMC emission (Norm)	DIN EN 13309, DIN EN ISO 14982, ISO 13766, DIN EN 12895		
Operating voltage min.	4.5 V DC	9 V DC	
Operating voltage max.	5.5 V DC	36 V DC	
Current consumption	max. 15 mA	120 mA	
Load resistance min.	20000 Ohm	-	
Short-circuit resistance to GND	yes		
Short-circuit resistance to supply	yes		
Outputs (quantity, type)	1	-	
Technology	Hall		
Protocol	-	J1939	CANopen
Node ID / Source Address	-	0x70	0x11
Transmitting cycle	-	100 ms	
Baud rate	-	250 kBit/s	
Bus terminating resistor	-	no	
Max. lever load with specified lever length	X- and Y-Axis 50mm/150 N		
Deflection	± 20 °		
Actuation type	single axis		
Service life, mechanical (Cycles)	2000000		
Protection class, electronic	IP67 DIN EN 60529		
Operating temperature min.	-25 °C		
Max. operating temperature	85 °C		
Min. storage temperature	-40 °C		
Max. storage temperature	85 °C		
Installation	from below		
Mounting type	screwed from above		

elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

Attribute	J3A6...	J3CJ...	J3CO...
Connector type	Mini-Fit Jr.		
Cable length	0.3 m		