KISTLER
measure. analyze. innovate.

KiLogger

Type K3888

CrashLink2 adapter for ML-N4000

The KiLogger Type K3888 is the CrashLink2 connection for data loggers in the N4000 Minilogger series manufactured by X2E. Its basic features are:

- Crashproof design
- Trigger and supply voltage adaptation
- Battery buffering

Description

The KiLogger adapts the data logger of the Minilogger N4000 Series to the CrashLink 2 bus. Depending on the Minilogger's configuration, this allows (for example) recording of commonly used data buses in the automotive sector such as CAN, CAN FD and LIN, etc., during a crash test.

To perform the adaptation, the KiLogger adjusts the supply voltage, network connection and trigger signals from the CrashLink2 to the Minilogger so that it can be used in the KISTLER crash environment. The integrated battery ensures that data can be recorded even if the power supply fails. 18 front-panel LEDs visualize the current status of the KiLogger and the Minilogger.

Existing ML-N4000 Miniloggers can also be retrofitted with the KiLogger, provided that the Minilogger has a housing without cooling fins.

Application

Like all CrashLink2 devices, the KiLogger can be installed in the vehicle or on a sled test rig, and it can be supplied via a suitable cable in the combined equipment setup. Programming is handled via the CrashDesigner software, provided that the corresponding software module is enabled.

Technical data

Operating voltage	VDC	20 … 60
Current consumption at 48 V, typ.[1)]	A	0.43
Power consumption, max.[2)]	W	35
Battery type		Li-ion
Nominal energy	Wh	10.28
Operating period with battery	min.	>10
Charging time, typ.	min.	120
Ethernet	Mbit/s	100
Dimensions (LxWxH)	mm	231x64x210
Weight	kg	2.72

Ambient conditions

Shock resistance	g	100
Operating temperature range	°C	0 … 40
Storage temperature range		
Long-term storage	°C	-25 … 20
Short-term storage (<1 week)	°C	-25 … 50
Air humidity (non-condensing)	% RH	10 … 80

[1)] Device is not armed, battery is charged
[2)] Depends on the Minilogger configuration

K3888_003-594e-11.23

KISTLER
measure. analyze. innovate.

Ordering key

Type K3888A ☐

Without data logger	**00**
L7A6C8B12*	**01**
R8C4GE4*	**02**
R8C8GE4*	**03**
R8C4GE4B12*	**04**
L7C8FR2GE4*	**05**
L7C8FR2*	**06**
L7C8*	**07**
P4C4F2Ge4B12*	**08**
C8L14F2B12	**09**

* L = LIN A = Analog C = HS-CAN/CAN-FD
R = RS-232 GE = Gbit-Ethernet FR = FlexRay
P = PSI5 B = BaseT1 e.g. 4 = number of interfaces

K3888_003-594e-11.23