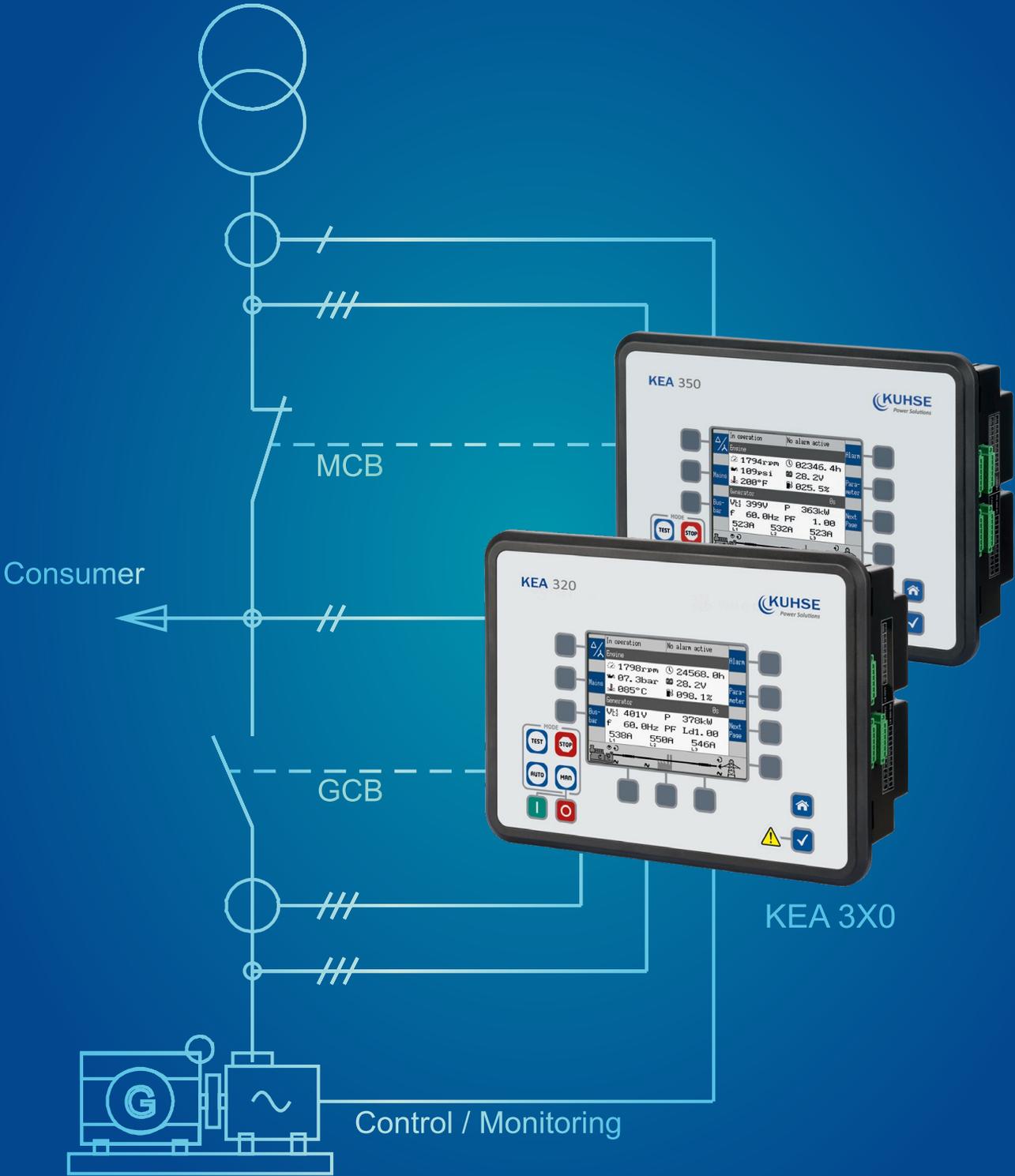
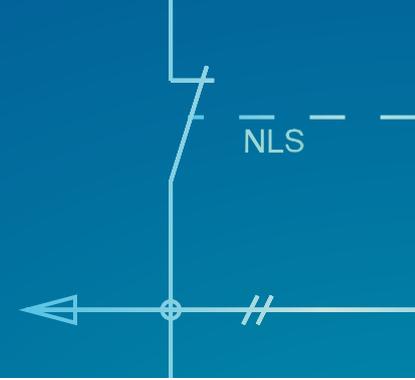


GENSET CONTROL KEA 320 / KEA 350



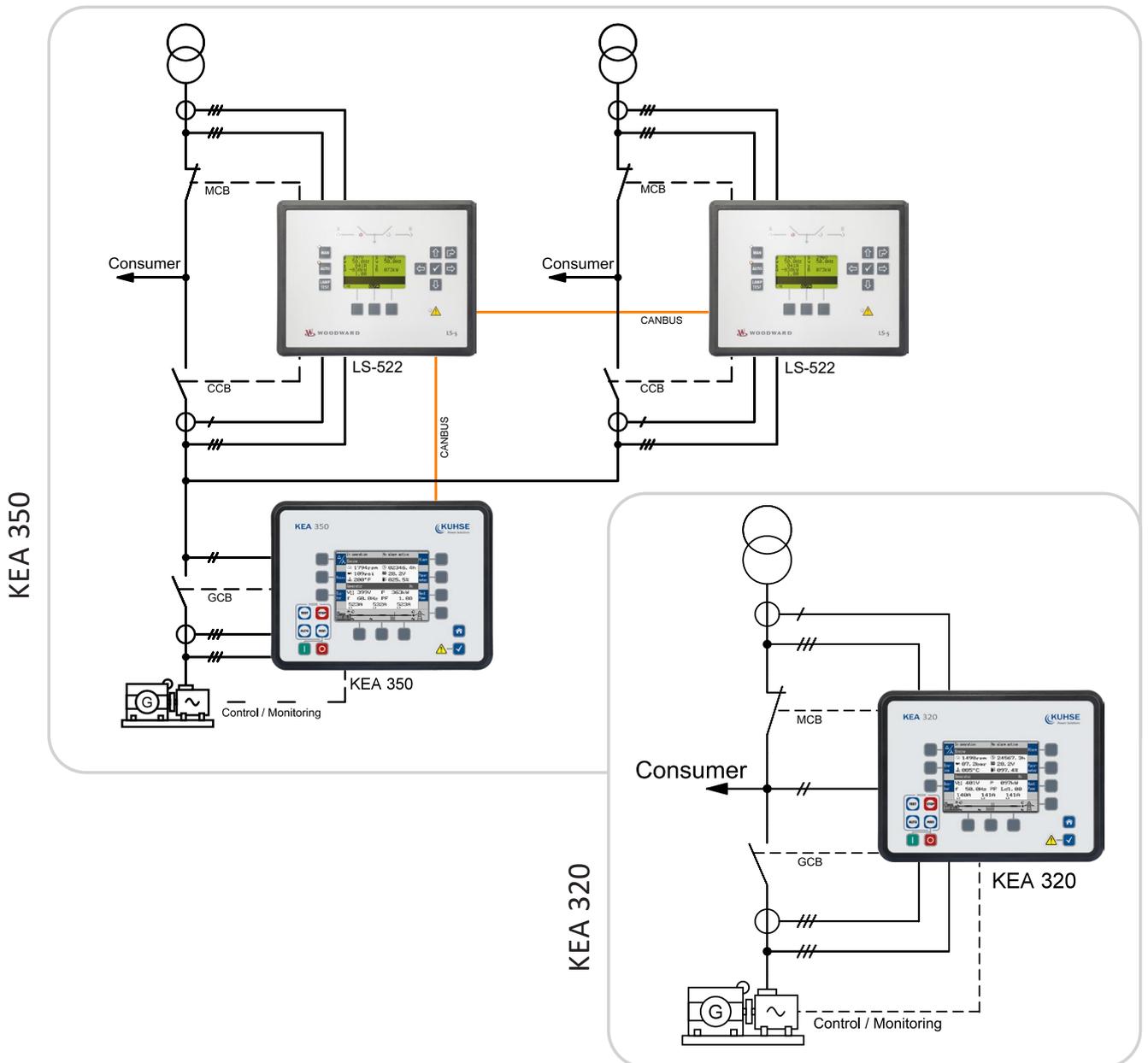
OVERVIEW



The genset controls of the KEA 3X0 series are used for conventional as well as complex emergency power applications. Based on an industry-leading system platform, the successor of the proven KEA 2XX series offers a significantly extended range of functions. All common standard requirements for emergency power applications are supported by the KEA 320. With its state-of-the-art hardware and basic soft-

ware, the KEA 3X0 is approved and language configurable for all major regions worldwide. The modern KEA 3X0 is available in the variants KEA 320 for conventional and KEA 350 for complex applications. Depending on the application, the KEA 3X0 is available as a compact control for front panel mounting or as a rear panel installation with a remote display.

EXAMPLE APPLICATIONS



SERIES

KEA 320



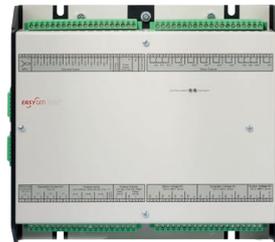
KEA 320

KEA 350

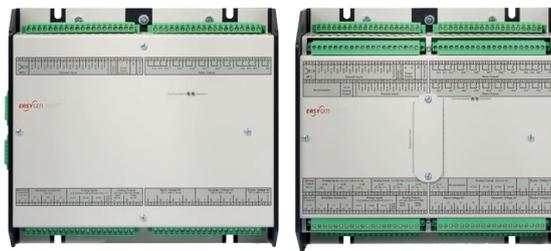


KEA 350 P1 /
KEA 350 P2

Compact Genset Control
front panel mounting



KEA 320 RP



KEA 350 RP P1

KEA 350 RP P2

Genset Control
Cabinet mounting



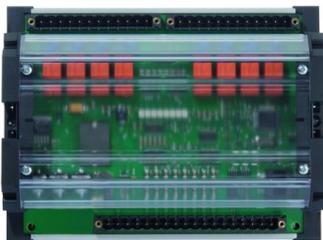
KEA 320 RP Bundle



KEA 350 RP P1 Bundle /
KEA 350 RP P2 Bundle

Genset Control with
Remote Panel RP 300
cabinet/front panel
mounting

ZUBEHÖR



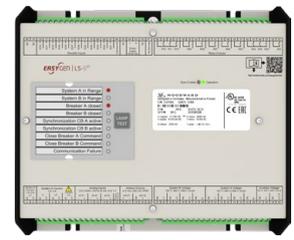
IKD 1

Relay Extension
cabinet mounting



LS-5

Multi-breaker Control
front panel mounting / cabinet mounting



LS-6

Multi-breaker-
Control
cabinet mounting

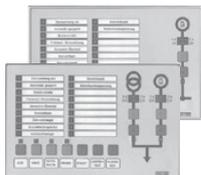
KEA DEVELOPMENT & PERIPHERY

PREDECESSOR SERIES & PERIPHERALS

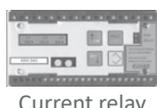
KEA 07X



Speed control



Mains failure protection



Current relay



Measuring transducer



Floating relay

KEA 07X and Peripherals



KEA 300 / KEA 300 RP and RP 300 front panel / cabinet mounting

KEA 1XX & 2XX



Synchronizer



Voltage monitor



Switch control via PLC

KEA 1XX & 2XX, peripherals and PLC solution

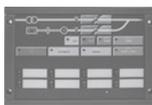


KEA 350 and LS-5 front panel mounting



KEA 300 RP and LS-5 cabinet mounting

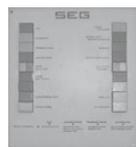
WOODWARD / SEG



NC3



NP2



NX



PCM

NC3, NP2, NX, PCM

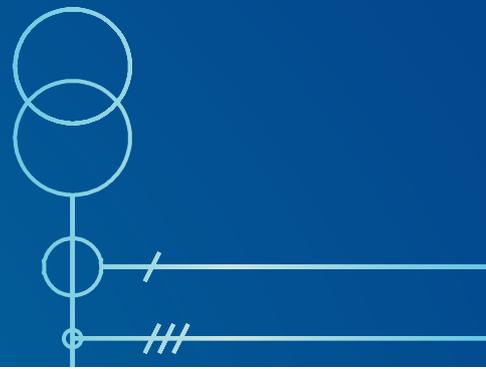


KEA 300 and IKD 1



KEA 300 RP, RP 300 and IKD 1

KEA 3X0

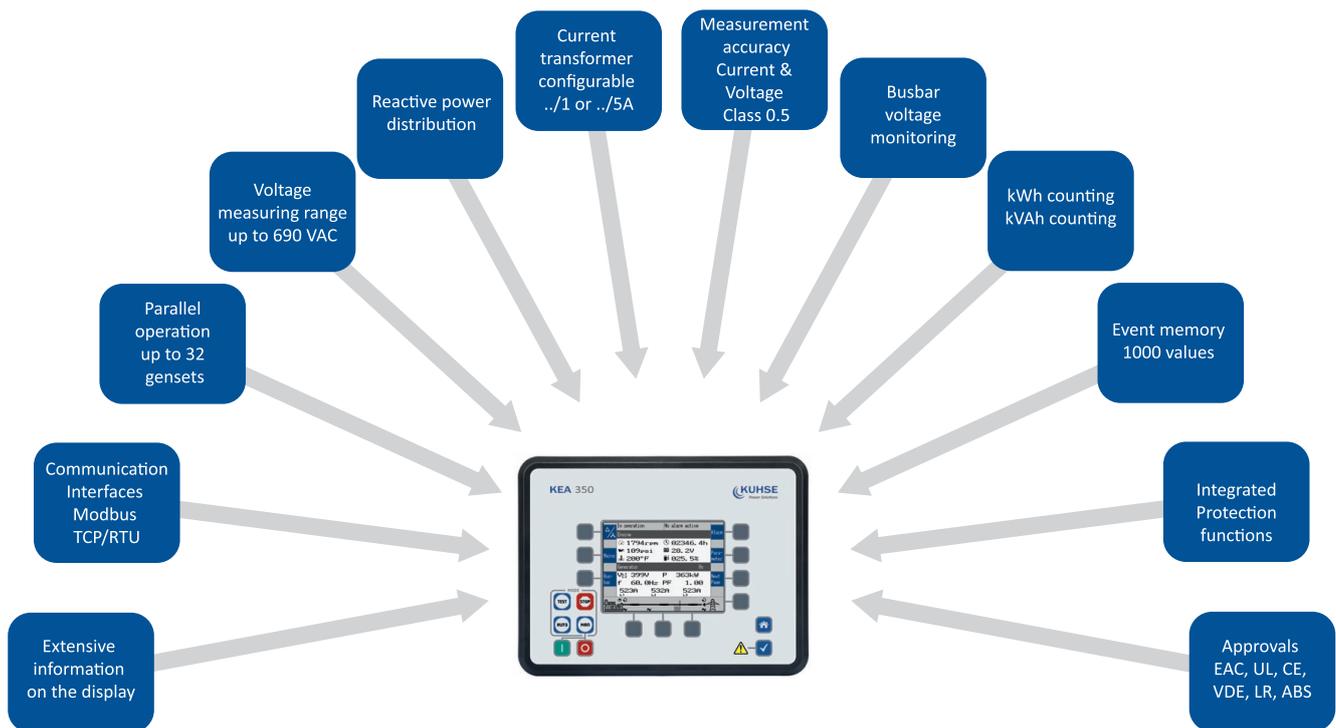


ONE DEVICE FOR ALL OPERATING MODES

KEA 2XX
Variants

KEA 3X0 / KEA 3X0 RP and RP 300
front panel / cabinet mounting

INTEGRATED FUNCTIONS



ADVANTAGES



COMPONENTS / APPROVALS

- State-of-the-art hardware and software base using current components from leading component manufacturers
- High availability due to long product life
- Approved in all major regions worldwide, supported and language configurable

OPERATION

- Graphical user interface with visualization of all essential operating states
- Operating concept based on the previous version KEA 2XX

FUNCTIONS / PARAMETERIZATION

- High functional range reduces the need for additional components in the substation
- Functions can be parameterized by software as far as possible

FIELDS OF APPLICATION

- Extensive operating functions also for complex emergency power systems with several engines and mains feeders, CHP units and Prime Power Plant concepts

VERSION

- Available as compact genset control for front panel mounting and as rear panel unit with remote display

PLANT ACCESS

- Connection of the remote display (RP 300) via TCP/IP
- Easy remote access via VNC software
- Extensive data retrieval from higher-level control possible
- Access via Kuhse iPSS Visualization- and remote system

PROTECTION FUNCTIONS

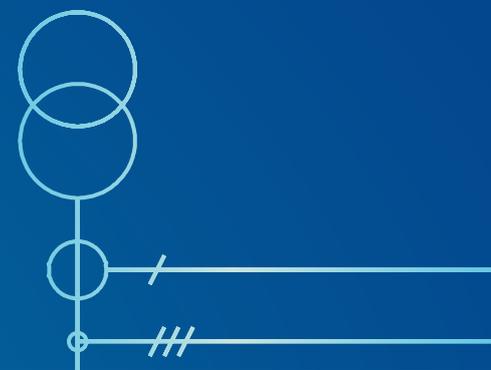
- Integrated protection functions according to ANSI (12/14/25/27/32/32F/32R/46/50/50G/51/51V/55/59/78/81O/81U)

FUNCTIONALITIES

- Integrated load-dependent addition and removal for multiple units in parallel operation
- Controlled shutdown of the genset during service work

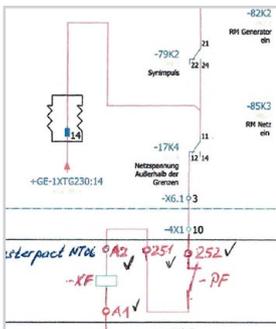
COMPLETE SOLUTION BY KUHSE





PARAMETERIZATION

- We parameterize your KEA3X0 individually according to your requirements, based on a wiring diagram or a terminal assignment.



WIRING DIAGRAM ENGINEERING

- We adapt your existing wiring diagram. We create a completely new wiring diagram in EPLAN suitable for your KEA 3X0 application. We perform all services from engineering to production of the complete control panel for you.

AGENDA KEA 3X0	
Hardware I/O	
Hauptfunktion & Bedienung	<ul style="list-style-type: none"> • Navigation durch die Seiten • die 4 Betriebsarten
Konfiguration via Toolkit	<ul style="list-style-type: none"> • Installation und Verbinding • Konfiguration und Einstellungen
Kommunikation	<ul style="list-style-type: none"> • Schnittstellen • CANbus und serielle Kommunikation
LogikManager	
Analog Manager	<ul style="list-style-type: none"> • Datenquelle • Anlagengänge und flexible limits
Regler	<ul style="list-style-type: none"> • Lastverteilung • Sollwerte
Synchronisation & Schalterlogik	<ul style="list-style-type: none"> • Synchronisation • Schalterlogik
Anwendungsgebiete	
Lastabhängiges Zu- und Absetzen	<ul style="list-style-type: none"> • Start/Stop-Priorisierung

TRAININGS & ONLINE TRAINING

- At the Winsen location, we will train you in the use of the new KEA 3X0 genset controls. If you like, we offer the KEA 3X0 training as online training.



SERVICE & COMMISSIONING

- We support you on site with the modernization / commissioning of our control panels. Together with you, we convert your existing control system to a KEA 3X0. Our test field supports you with the help of our test setup for troubleshooting on site. Please send us your parameter files.



CONTACT

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